

Judy Mc.

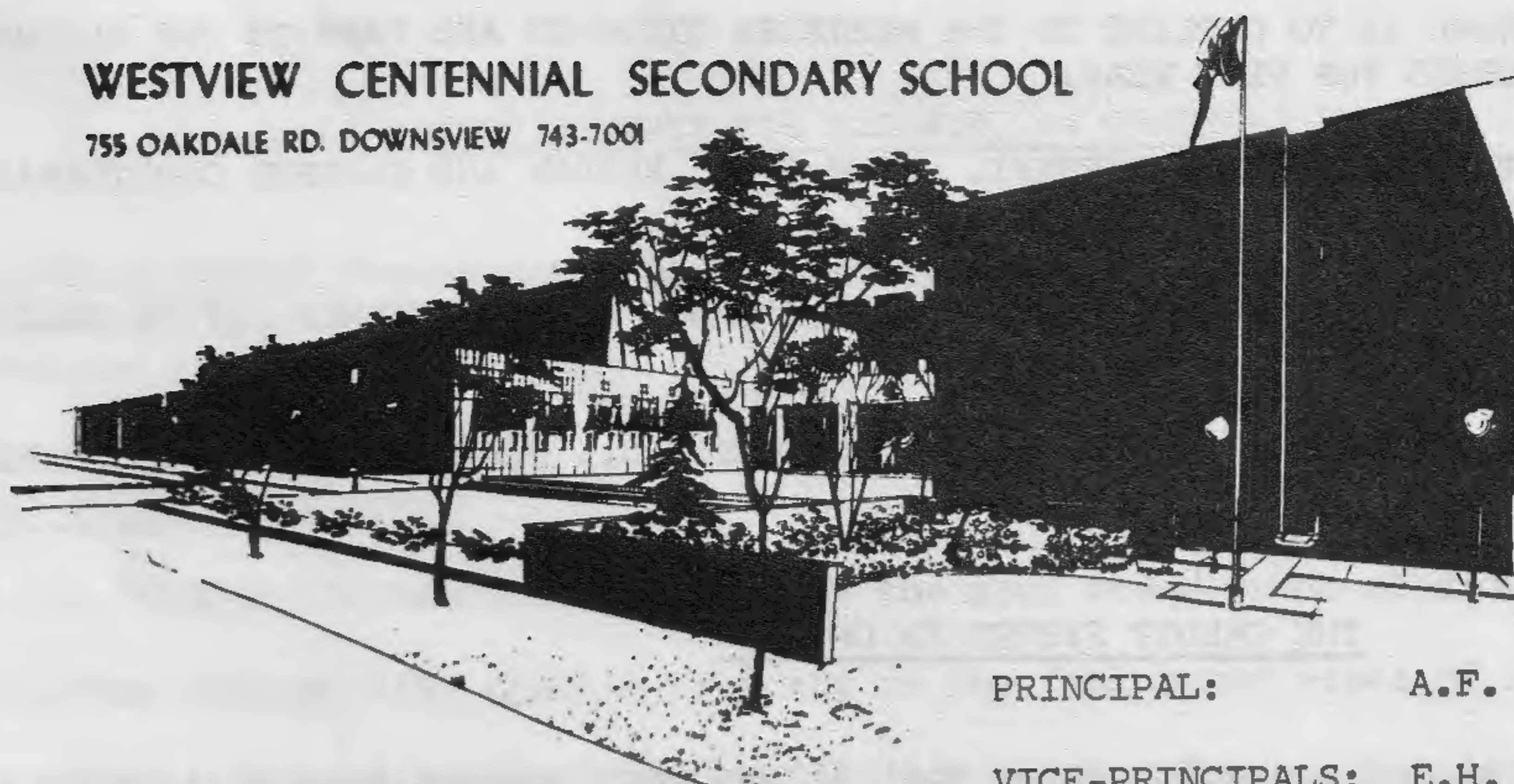
student calendar

78-79

**WESTVIEW CENTENNIAL
SECONDARY SCHOOL**

WESTVIEW CENTENNIAL SECONDARY SCHOOL

755 OAKDALE RD. DOWNSVIEW 743-7001



PRINCIPAL: A.F. BELL, B.P.H.E., B.Ed.

VICE-PRINCIPALS: E.H. FORS, B.A., M.Ed.
J.S. HARNETT, B.A., M.A.
W.H. MADDEN, B.A., B.P.H.E.,
B.Ed.
R.N. RIDGWAY, B.A.

TABLE OF CONTENTS

1. INTRODUCTION	
- The Credit System	Page 1
- Requirements for Grade 12 & 13 Diplomas	2
- Filling Out Your Registration Card	3
2. COURSES OFFERED AT WESTVIEW	4
3. PERSONAL PROGRAM PLANNING SHEET	5
4. QUESTIONS AND ANSWERS	6
5. SERVICES AVAILABLE AT WESTVIEW	8
6. COURSE DESCRIPTIONS	
- Business Education	9
- English and Theatre Arts	14
- Family Studies	18
- Geography	20
- History	23
- Languages	26
- Mathematics	30
- Music	35
- Physical and Health Education	38
- Science	40
- Technical	44
- Visual Arts	51
7. SUMMER SCHOOL	53
8. WORK STUDY	54
9. INDEX	55

THE PURPOSE OF THIS CALENDAR IS TO OUTLINE TO THE WESTVIEW STUDENTS AND PARENTS THE ALTERNATIVES AVAILABLE IN THE CHOICE OF COURSES FOR NEXT YEAR.

THE CHOICES YOU ARE ABOUT TO MAKE ARE IMPORTANT. YOUR TIME, ENERGY AND CAREFUL CONSIDERATION IS NEEDED IN MAKING YOUR SELECTIONS.

IN PARTICULAR THE CALENDAR'S INTRODUCTORY PAGES (1 - 8) SHOULD BE REVIEWED BEFORE MAKING ANY DECISIONS.

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT THE SCHOOL COUNSELLORS. THEY ARE AVAILABLE TO HELP YOU.

THE CREDIT SYSTEM IN ONTARIO

Ontario high schools operate on a credit system that allows each student to work towards a Secondary School Graduation Diploma (S.S.G.D.) at his own rate. After obtaining an S.S.G.D., usually at the end of Grade 12, some students may choose to attend for an additional year (Grade 13) and take courses that will allow them to secure a Secondary School Honours Graduation Diploma (S.S.H.G.D.).

A credit, as defined by the Ministry of Education, is granted when a student successfully completes a course planned to include 110 to 120 hours of class time.

An S.S.G.D. is granted by the Principal after a student has obtained 27 credits. An S.S.H.G.D. is granted after a student has successfully completed 6 (six) Grade 13 credits.

Courses are offered at three levels of difficulty: basic, general and advanced (described on page 6). Each course offered falls into one of four broad categories of knowledge called AREAS OF STUDY:

- COMMUNICATIONS
- PURE AND APPLIED SCIENCE
- SOCIAL AND ENVIRONMENTAL STUDIES
- ARTS

In order to obtain an S.S.G.D., students must successfully complete at least 3 courses in each Area of Study. The remaining 15 credits necessary for an S.S.G.D. may be selected from any Areas of Study.

Areas of Study do not apply to Grade 13 courses. Students attempting to obtain an S.S.H.G.D. may select their 6 courses in whatever combination they desire.

NOTE: A detailed outline of Diploma requirements appears on page ii of this calendar.

Some courses have PREREQUISITES and/or COREQUISITES. A PREREQUISITE is a course that should be taken in advance of attempting a following course, i.e., Grade 11 advanced mathematics should be taken before attempting Grade 12 advanced mathematics. A COREQUISITE is a course that should be taken along with another specific course, i.e., when taking Grade 11 shorthand a student must also take Grade 11 business typing. The designating of courses as requiring prerequisites or corequisites is done on the professional advice of those who have designed the courses. Deviation from these recommendations is done at considerable risk and should not be considered without prior consultation with the proper school authorities.

In summary, the course decisions you are about to make are important. Consultations between parents, students, teachers and guidance counsellors are recommended wherever there is any doubt or question. The advice available from consultations with the staff will assist you in planning a program that will meet the requirements of your future plans and those of the Ministry of Education. Choose carefully.

REQUIREMENTS FOR S.S.G.D. -- GRADE 12 DIPLOMA

A Secondary School Graduation Diploma will be granted on the recommendation of the Principal to a student who has completed satisfactorily a minimum of twenty-seven (27) credits in accordance with the following conditions.

- (1) for students who entered the first year (Grade 9) of a Junior High or a Secondary School BEFORE SEPTEMBER 1, 1974
 - at least three (3) credits from each of the four broad areas of study
 - a further fifteen (15) credits from any of the four broad areas of study
- (2) for students who entered the first year (Grade 9) of a Junior High or Secondary School BETWEEN SEPTEMBER 1, 1974 AND AUGUST 31, 1977
 - at least three (3) credits from each of the four broad areas of study
 - a further fifteen (15) credits from any of the four broad areas of study
 - amongst the above credits earned, each student must have taken and passed four (4) courses designated as ENGLISH STUDIES and two (2) courses designated as CANADIAN STUDIES. See page iv for courses marked (e) = English Studies and (c) = Canadian Studies.
- (3) for students who entered the first year (Grade 9) of a Junior High or Secondary School ON OR AFTER SEPTEMBER 1, 1977
 - at least three (3) credits from each of the four broad areas of study
 - a further fifteen (15) credits from any of the four broad areas of study
 - during the first two years (Grade 9 and Grade 10) student's programs MUST include the following:
 - English ----- 2 credits
 - Mathematics ----- 2 credits
 - Science ----- 1 credit
 - Canadian History -- 1 credit
 - Canadian Geography- 1 credit

after a student has taken 2 English credits in Grade 9 and 10 he/she must take two (2) further credits designated as ENGLISH STUDIES.

REQUIREMENTS FOR S.S.H.G.D. -- GRADE 13 DIPLOMA

A Secondary School Honour Graduation Diploma will be granted on the recommendation of the Principal to a student who has successfully earned six (6) credits at the Year Five level. These courses are all coded in the 500 series. A list of courses available is found on page iv. (Please note -- Year Five level refers to Grade 13 credits. Year Five courses may be selected in any combination from any of the four Areas of Study.)

HERE ARE YOUR STEP BY STEP INSTRUCTIONS FOR FILLING OUT YOUR REGISTRATION CARD

I	<u>SELECT COMPULSORY COURSES</u>	<p>YEAR 1 (Grade 9) All students are on a set program.</p> <p>YEAR 2 (Grade 10) English; Mathematics; Canadian History or Geography; and Science if not passed in Grade 9.</p> <p>YEAR 3 (Grade 11) English</p> <p>YEAR 4 (Grade 12) English</p> <p>YEAR 5 (Grade 13) Be sure to choose credits which fit career plans!</p>
II	<u>DECIDE ON RECOMMENDED COURSES</u>	<p>Choose wisely!</p> <p>You should choose courses which will allow you to enter the post secondary institution or occupation you desire.</p> <p>Continue to take <u>core</u> courses as long as necessary. See a counsellor for information.</p>
III	<u>ADD COURSES TO COMPLETE TIMETABLE</u>	<p>Make sure you are taking enough courses to graduate.</p> <p>YEAR 2 In Grade 10 you should take 8 courses.</p> <p>YEAR 3 In Grade 11 you should take 7/8 courses.</p> <p>YEAR 4 In Grade 12 you should take 6/7/8 courses.</p> <p>No student may register with less than 6 courses without the permission of the Principal.</p>
IV	<u>CHECK AND READ</u>	<p>Read pages i-vii in this calendar. Make sure you haven't made mistakes. Your registration card <u>represents YOU!</u> Be sure! Changes are not possible after July 7, 1978!</p>
V	<u>TALK AND ASK QUESTIONS</u>	<p>Speak to teachers and ask about courses they teach!</p> <p>Fill out the practice registration form and bring it to a counsellor for advice.</p> <p>Turn the practice form into your homeroom teacher, he/she will give you the real card. COPY YOUR COURSE SELECTIONS ONTO THE REGISTRATION CARD. PRINT IN A NEAT AND ACCURATE MANNER.</p>

COURSES OFFERED AT WESTVIEW LEADING TO AN S.S.G.D.

- NOTE: 1. For Basic Level Year 1 and 2 courses see the Basic Level Calendar.
 2. All course offerings are subject to a minimum student enrolment.
 3. Half credit courses are designated with an asterisk, *, two credit courses with a plus, +.
 4. Courses designated with a bracket must be taken together in the same year.
 5. (e) indicates English studies, (c) indicates Canadian studies.

YEAR	COMMUNICATIONS	SOCIAL AND ENVIRONMENTAL STUDIES	PURE AND APPLIED SCIENCES	ARTS
TWO	CST 22P FRE 22B ENG 219(e) FRE 230 ENG 220(e) ITA 220 ENG 22R(e) ITA 230 ENG 230(e) ITA 24E ENG 240(e) LAT 230 ESL 22B(e) TYP 220 ESL 22I(e) TYP 22B ESL 23A(e) TYP 22L FRE 220 TYP 22P TYP 230	FAM 220 FAM 230 GEO 220(c) GEO 221 GEO 230(c) GEO 231 HIS 220(c) HIS 22M(c) HIS 230(c) HIS 23M(c) LAT 230	ACC 22A MAT 219 ACC 220 MAT 220 AUT 220 MAT 22B DRA 220* MAT 22T DRA 22A* MAT 230 ELE 220* MEC 220* ELE 22X* SCI 220 FAM 220 SCI 230 FAM 230 SHM 220* MAT 120 WOD 220*	PHE 23B PHE 23G THA 220 VIS 230 VIS 231 MUS 22G MUS 22W MUS 23C MUS 23D MUS 23N MUS 23W
THREE	CST 32P ITA 320 CST 33M ITA 330 ENG 320(e) ITA 34E ENG 330(e) LAT 330 ENG 340(e) SEC 320 FRE 320 SEC 32C(e) FRE 330 TYP 320 TYP 330	FAM 320(c) HIS 32P FAM 33P HIS 330 FAM 33T LAT 330 GEO 320(c) MIS 320(c) GEO 330(c) MKT 32M GEO 331 PHE 33B HIS 320 PHE 33G ACC 32M	ACC 32A GEO 330(c) ACC 32B MAT 320 ACC 33K MAT 32B AUT 320 MAT 32T AUT 32G MAT 330 AUT 32P } MAT 340 AUT 32T } MEC 320 AUT 32S PHY 32A BIO 320 PHY 32E BIO 330 PHY 330 CST 33M SCI 330 DRA 320 SHM 32P } DRA 33A SHM 32T } ELE 320 WOD 320 ELE 32P } WOD 32A ELE 32T } WOD 32P } ELE 33X WOD 32T }	FAM 33T DRA 320 DRA 33A ELE 320 PHE 33B PHE 33G THA 320 THA 32V VIS 320 VIS 330 VIS 33P WOD 320 WOD 32A MUS 33C MUS 33M MUS 33N MUS 33S MUS 33W
FOUR	CST 42P ITA 43B ENG 420(e) ITA 44E ENG 430(e) LAT 430 ENG 430(e) SEC 420 FRE 430 TYP 420 ITA 430 TYP 430	ECO 420(c) HIS 430 FAM 420+ LAW 42L(c) FAM 43H LAW 43L(c) FAM 43M MIS 420(c) GEO 420(c) MKT 42C GEO 430 PHE 43B GEO 430(c) PHE 43G HIS 42R GEO 42U(c)	ACC 42A ELE 43X ACC 43F FAM 43M ACC 43K MAT 420 AUT 420 MAT 42B AUT 42E } MAT 42T AUT 42P } MAT 430 AUT 42T } MAT 440 CHE 420 MEC 420 CHE 430 MEC 42H GST 42M MEC 42P } DRA 420 MEC 42T } DRA 43A PHY 430 DRA 43M SHM 42P } ELE 420 SHM 42T } ELE 42P } WOD 42P } ELE 42T } WOD 42T }	DRA 420 DRA 43A DRA 43M ELE 420 PHE 43B PHE 43G THA 420 VIS 420 VIS 430 VIS 43P MUS 43C MUS 43N MUS 43S MUS 43W FAM 43H

COURSES OFFERED AT WESTVIEW LEADING TO AN S.S.H.G.D.

ACC 53A	ECO 530	ENG 53T	GEO 530	HIS 53P	MAT 530	MAT 54F
BIO 530	ELE 53X	FAM 530	GEO 53P	ITA 530	MAT 53A	MUS 530
CHE 530	ENG 53N	FRE 530	HIS 530	ITA 53L	MAT 53C	MKT 53C
DRA 53A	ENG 53S	FRE 53L	HIS 53A	LAT 530	MAT 53F	PHY 530
					MAT 54C	VIS 520

1. QUESTION: How many subjects may I take at Summer School?

ANSWER: You can obtain as many as two credits each year at Summer School. It is important to realize that more than one subject at Summer School is very difficult. Summer School starts July 4 and ends August 11. The hours are 8:30-12:30, 1:00-5:00

2. QUESTION: Who may attend Night School?

ANSWER: Night School is available to students at Westview if they are 16 years of age or older, (under 18 requires parental signature) and if the subject CANNOT be timetabled during the day. Priority for all night school courses goes to adults who are not attending school full time. This option is limited -- don't count on it!

3. QUESTION: What is the Summer Night School?

ANSWER: There is a night school running from the end of May until the middle of August (two nights a week). This is primarily for Adults and very few, if any, day school students get in -- so don't count on it!

4. QUESTION: Who may take correspondence courses?

ANSWER: Correspondence courses are primarily for those Ontario residents who are above school age. In emergency situations day school students may apply. If the subject can be timetabled in any way at Westview, the request will be denied. Students in Year 3,4,5 who wish to apply must have permission in writing from the Principal. This course cannot be finished in less than 6 to 8 months. Examinations are scheduled for January 30; June 5; and August 28. Correspondence courses as an option for full time students is virtually impossible -- don't count on it!

5. QUESTION: How do I know what Level of course I should take?

ANSWER: BASIC - This is for students who have had problems with the Grade 8 course. The student has been transferred to Westview for Grade 9. A separate Calendar exists for this level. No student may enter the Basic level courses without consultation and approval of Mr. Richardson, the Basic Level Head.

GENERAL - These courses lead to Community Colleges and some courses at Ryerson. The courses are at a moderate level of difficulty.

ADVANCED - These courses lead to Community Colleges, Ryerson and University. They are for the student who is capable of doing work more difficult than at the General Level. If a student desires to take Grade 13, he/she must take most of their courses at this level.

ENRICHED - Some departments offer courses for students who are performing very well in their advanced level courses. Permission must be granted by the Department Heads.

6. QUESTION: Sometimes the course in the calendar are hard to understand. How do I know I will like the course?

ANSWER: The best person to talk with is the person who will be teaching the course. Take advantage of any course information we give you. Speak with your present teacher as soon as possible for information. This is critical as you will not be allowed to "pick-up" a course in September.



BUSINESS MACHINES

ACC 32B

Area of Study: Pure and Applied Sciences
Prerequisite: None

Today, when electronic calculators are found in all types of occupations from the local machine shop to the large corporation, every student should understand the basic operations of the calculator. During the year, you will learn how to use them, and practise your skill on everyday operations met at home and at work such as invoicing, payroll, interest, and some scientific calculations.

ACCOUNTING

ACC 22A

Area of Study: Pure and Applied Sciences
Prerequisite: None

NOTE: This course should be taken by a level Two (Grade 10) student wishing to take the first year of a three year program in Accounting.

This course uses the balance sheet approach to introduce office accounting. The content of the course is practical and is the first year of the Three-Year Accounting Series.

BUSINESS RECORDS

ACC 220

Area of Study: Pure and Applied Sciences
Prerequisite: None

This is an introductory one-year course describing the principles and practices used in setting up records, recording daily transactions, preparing financial statements, and company analysis.

DATA PROCESSING

CST 22P

Area of Study: Communications
Prerequisite: None

This course introduces the modern methods of processing information from hand-written to electronic means. During the year the course will cover man's need for and use of current information. The basic concepts of Data Processing (Manual Electro-mechanical, and Electronic) will be developed as well as problem solving with the computer and an understanding of its functions and uses in today's society.

ACCOUNTING

ACC 32A

Area of Study: Pure and Applied Sciences
Prerequisite: ACC 321

This is the second year of the Three-Year Accounting Series. It builds upon double-entry accounting as applied to bank reconciliation, adjustments, classification and analysis of financial statements, partnership and payroll.

ADVANCED ACCOUNTING

ACC 33K

Area of Study: Pure and Applied Sciences
Prerequisite: Recommend MAT 230;
Department Head Approval

- NOTE: 1. This course should be chosen only by a level three (Gr. 11) or level four (Gr. 12) student.
2. Students who have taken ACC 321 can not take this course.
3. Knowledge of mathematics at advanced level two would be beneficial, but not necessary.

This is the introductory course of a two-year advanced level program in Accountancy. Course content includes the development, throughout double-entry accounting, of financial statements using working papers as an approach.

Throughout the course the student will be expected to study accounting situations and suggest possible systems to use.

SMALL BUSINESS MANAGEMENT

ACC 32M

Area of Study: Social and Environmental
Prerequisite: None

This course is designed for the student who may possibly enter a small business in either Technology or Service Industry.

Ten percent of small businesses in Canada fail during the first year of operation. Emphasis is placed on possible solutions to this problem.

1. Ownership
2. Inventory
3. Finance
4. Business Image

DATA PROCESSING

CST 32P

Area of Study: Communications
Prerequisite: CST 22P

Upon completion of this course, the student should be able to: 1) Flowchart and write a program for a computer in a high level language; 2) Perform the functions of Arithmetic Branching, Counting and Looping, Data Movement, Address Modification and writing a subroutine and creating linkage to and from it; 3) Test and produce a running program using a testing system; 4) Produce documentation to adequately describe this program.

ACCOUNTING

ACC 42A

Area of Study: Pure and Applied Sciences
Prerequisite: ACC 32A

This course teaches basic Canadian accounting practice. It provides detailed instruction in accounting procedures for a manufacturing concern. It also deals with departmental and cost accounting and sales analysis. The systems approach is employed throughout using the McBee System and accounting machines.

ELECTRONIC DATA PROCESSING

CST 42P

Area of Study: Communications
Prerequisite: CST 32P

This course is designed for the student who is interested in studying the computer and its effects. Topics include:

1. Problem solving and programming
- suggested problems include a series of problems (gradually increasing in difficulty) involving such typical applications as pay - roll and inventory control.
2. Programming and applications
- examples include selected portions of systems involved in such areas as grade reporting and student registration.
3. Implications for the individual and society.

ADVANCED ACCOUNTING

ACC 43K

Area of Study: Pure and Applied Sciences
Prerequisite: ACC 33K;
Department Head Approval

This is the second year of a two-year advanced level program in Accounting. Accounting situations will be studied as they apply to different methods of ownership and different types of business.

Students will develop accounting systems via a case study approach.

BUSINESS FINANCE

ACC 43F

Area of Study: Pure and Applied Sciences
Prerequisite: None

This course is intended to:

1. Provide students with information that may aid them to decide on a career in finance.
2. Provide students with an insight into various aspects of finance so that they may choose a career in this field.
3. Provide information about the field of corporate finance by relating it as closely as possible to the field of consumer and government finance.
4. To provide knowledge about the broad field of finance so the students will appreciate the value of efficient use of their earnings.

ACCOUNTANCY

ACC 53A

Area of Study: Pure and Applied Sciences
Prerequisite: None

This course is an introduction to accounting. Topics covered include: Costing, Manufacturing, Analysis of Financial Statements, Corporate Organization and Interpretative Analysis. The practical aspect is emphasized throughout.

LAW FOR THE LAYMAN

LAW 42L

Area of Study: Social and Environmental;
Communications
Prerequisite: None

What are your rights and responsibilities as a person under the law as it is in Canada and Ontario? Now that the legal age is 18 years, what contracts can you sign, should you sign, etc.? These and other questions are answered in Law for the Layman.

Some other topics covered are:

1. Development of the law and law-making bodies
2. Law of Torts
3. Legal capacity to make contracts
4. Marriage, divorce, separation, etc.
5. Citizenship
6. The law and you in daily living

ADVANCED LAW FOR THE LAYMAN

LAW 43L

Area of Study: Social and Environmental;
Communications
Prerequisite: None

An indepth study of the law as it affects the individual and society. Social legal issues are analysed by the student. The student will be required to research legal topics and present his findings to the class.

Areas of study will include:

1. Development of the Law
2. The Canadian system of justice
3. Criminal law
4. Legal responsibilities of the individual in society
5. The Law of Torts
6. Current legal problems

MARKETING AND ADVERTISING

MKT 32M

Area of Study: Social and Environmental;
Communications
Prerequisite: None

This course provides the student with an understanding of the various aspects of marketing. The course begins with a study of the producer and consumer and how marketing brings these two together. It examines types of retail organizations and indicates the advantages and disadvantages of operating various types of stores.

The mechanics of starting, operating and continuing are studied in detail. The course emphasizes throughout the effect advertising and displaying merchandise has on success.

CONSUMER EDUCATION

MKT 42C

Area of Study: Social and Environmental
Prerequisite: None

In order to survive in today's marketplace, the consumer must know when a bargain is a bargain, how and when to purchase food, clothing, cars, etc. In general, what is the role of the consumer in Canada's economy and what are his rights? These and many other topics covered are:

1. Housing and Consumer Purchasing
2. Credit Buying
3. Personal Money Management
4. Standard of Living
5. Holiday Planning, Travel, and Leisure Time Activities

CONSUMER STUDIES

MKT 53C

Area of Study: Social and Environmental;
Communications
Prerequisite: None

In this modern day the necessity of being a wise consumer and understanding the role of the consumer in Canada's economy is of prime importance. This course in Consumer Studies will acquaint the student with the marketplace and its role in the Canadian economic system. Emphasis is on personal money management using the legal protection afforded by all levels of government.

The student will study source documents issued by all levels of government and documents issued by consumer agencies along with selected readings as a basis for making sound consumer decisions.

E.S.L. TYPEWRITING

TYP 22L

Area of Study: Communications
Prerequisite: None

This course is designed for students who are learning English and who wish at the same time to take an introductory course in typewriting. The student will learn to touch type using good techniques. The course includes the development of oral and written language skills.

INTRODUCTORY PERSONAL TYPEWRITING

TYP 22P

Area of Study: Communications
Prerequisite: None

This course is designed for students who do not intend to use Typewriting in a business office. Also, this is a course designed for students who have had no credit in Grade Nine Typewriting. In this course, the student will learn correct techniques of typewriting and the alphabetic and numeric keyboard. The student will learn to transpose his thoughts at the typewriter. Time will be spent on improving communications skills--spelling, grammar, and punctuation. This course is designed for students who would like to learn Typewriting for their personal use: typing personal letters, typing school notes, and typing essays for their other school subjects.

INTRODUCTORY BUSINESS TYPEWRITING TYP 22B

Area of Study: Communications
Prerequisite: None

NOTE: This course is for the student who has never taken a course in Typewriting before.

This is an introductory course in typewriting designed for the student who wishes to study Office Procedures in Years Three and Four and eventually use his typewriting skill in the business world. The student will learn the keyboard along with correct Typewriting techniques. Also, the student will progress to a Typewriting rate of approximately 30 w.p.m. along with a reasonable degree of accuracy. Business forms, letters and tabulations will be taught.

BUSINESS TYPEWRITING TYP 220

Area of Study: Communications
Prerequisite: Previous Typewriting

This course in Business Typewriting is designed for the student who wishes to study Office Procedures in Years Three and Four and eventually use his Typewriting skill in the business world. This course is designed for students who have at least one previous course in Typewriting but have not yet achieved a rate of 25 w.p.m. on a 5-minute test with 5 or fewer errors. Students who have achieved a rate of 25 w.p.m. or more should select TYP 230. Considerable time will be spent on the development of speed and accuracy along with correct typewriting techniques. Students will also learn to compose directly at the typewriter. In this course students will be typing business material: letters, manuscripts, financial statements, and business forms. Typing skill to a rate of 35 w.p.m. is developed in this course.

ADVANCED BUSINESS TYPEWRITING TYP 230

Area of Study: Communications
Prerequisite: Previous typewriting and the ability to type 25 w.p.m. or more on a 5-minute timed writing with 5 errors or less.

This course in Advanced Business Typewriting is designed for the student who wishes to study Office Procedures in Years Three and Four and eventually use his Typewriting skill in the business world. The course is designed for students who have had at least one previous course in Typewriting, are familiar with the keyboard, and can type at least 25 w.p.m. Students not totally familiar with the keyboard should select TYP 220 --Business Typewriting. Considerable time will be spent on the development of speed and accuracy. Students will also learn to compose directly at the typewriter. In the course, students will be

typing business material: letters, manuscripts, and business forms. Typing skill to a rate of 40 w.p.m. is developed in this course.

COMMUNICATIONS & BUSINESS PROCEDURES TYP 320

Area of Study: Communications
Prerequisite: TYP 22B or TYP 22R

This course is designed to further develop typewriting skills. General office behaviour, knowledge of office equipment, banking procedures, postal information, telephone, telecommunications, and filing are among the topics to be studied. The ability to produce a mailable copy in a limited time and a typewriting skill to a rate of approximately 45 w.p.m. are developed in this course.

ADVANCED COMMUNICATIONS AND BUSINESS PROCEDURES TYP 330

Area of Study: Communications
Prerequisite: TYP 23B or 40 w.p.m.

This business course is designed to further develop typewriting skills. General office behaviour, knowledge of office equipment, stencil duplication, the use of dictating equipment, banking procedures, postal information, telephone, telecommunications, and filing are among the topics to be studied. The ability to produce mailable copy in a limited time is developed in this course. The student should also reach a typewriting rate of 50 w.p.m. upon completion of the course.

BUSINESS CORRESPONDENCE SEC 32C

Area of Study: Communications
Prerequisite: A previous course in Typewriting

Learn to write clearly and convincingly --with ease. The purpose of this course is the clear and concise composition of reports and letters dealing with all phases of business life. Various types of business letters will be composed: letters of inquiry, order letters, credit letters, collection letters, and letters of application. Current communication in everyday life is viewed through the examination of written material. To enhance understanding and clear composition of letters and business reports, grammar rules and spelling and punctuation are stressed. Oral communication is also a part of the course. Topics range from correct oral expression to the presentation of speeches. During the year a group project will be set up in which students will represent different companies within the classroom and correspond with each other on topics of a business nature.

ENGLISH

ENG 230

Area of Study: Communications
Prerequisite: Any Grade 9 English Course

An integral part of this course is the development of speaking, reading, and writing skills. This is a relatively intensive study of the various types of works in English literature. It is hoped that the student will come to an understanding and appreciation of the disciplines, techniques and merits of the poem, the short story, the novel, and the play. Continuous evaluation of student work and term examinations will be employed.

ENGLISH

ENG 240

Area of Study: Communications
Prerequisite: Personal recommendation by Grade 9 English teacher plus interview with Department Head this spring.

This enriched course is designed for students who have demonstrated a maturity and sophistication in language, reading and writing skills and who are interested in broadening their knowledge of English literature and improving their writing styles. Students will be introduced to the material and terminology of the various genres: novels, plays, short stories, poetry. Creative and critical writing will be related to the study of the literature, which may include Dickens, Twain, Shakespeare. This course is intended to be a demanding and challenging experience for the motivated and capable student.

ENGLISH

ENG 320

Area of Study: Communications
Prerequisite: ENG 220

This course examines the social condition of man through the study of various forms of literature and media. Active participation in play production, seminar discussions and the debating of significant issues and themes will be expected. Equal emphasis will be placed on written assignments. Composition work will include expository and narrative writing. Vocabulary studies will be stressed as well. Continuous evaluation and term exams will constitute the method of assessment.

ENGLISH

ENG 330

Area of Study: Communications
Prerequisite: ENG 230

This course is a traditional English course which will include sections on poetry, short stories, plays, both modern and Shakespearean, and at least two novels. In addition, a focus on Canadian literature, themes and genres, will be a major unit. Students are expected to become familiar with the terminology connected with each of the genre. The language section of the course will include a review of basic grammar, punctuation, word study, approaches to critical reading, paragraph construction, and, finally, the essay. Evaluation will be continuous. There will be an examination in each term.

ENGLISH

ENG 340

Area of Study: Communications
Prerequisite: ENG 230;
Recommendation by Grade 10 English teacher

This enriched course is designed for students who have displayed a superior interest and ability in language, reading and writing skills and who would be prepared for and challenged by an intensive and sophisticated study of Canadian literature. Areas of study will include: the problems of Canadian identity, the theme of survival against the environment, recent developments in various genres, and a unit on Toronto. In each term, to illustrate the universality of themes in Canadian literature, one non-Canadian work will be studied comparatively. Critical and creative writing will be related to the literature studied.

ENGLISH

ENG 420

Area of Study: Communications
Prerequisite: ENG 320 or Equivalent

This course involves a thematic study of man in his psychological and social context. Various media (the novel, the play, the lyric) are examined to explore such themes as man's need to communicate, human conflict, the search for identity, the relationship between the individual and society. Both oral and written expression related to the literature studied will be emphasized.

MODERN AND CONTEMPORARY WORLD
IN ENGLISH

ENG 430

Area of Study: Communications
Prerequisite: ENG 330

This course is an examination of modern literature concentrating on the philosophical and the socio-psychological themes evident in so much of modern writing. The stress is on the relevance of the dominant literary themes, which are examined by comparing selected groups of writers. Concentration on the overall trends prevents exhaustive treatment of any one writer. The course includes formal critical composition related to the literature studied.

OUT LITERARY HERITAGE

ENG 43H

Area of Study: Communications
Prerequisite: ENG 330
Corequisite: ENG 430

NOTE: This course is recommended for Grade 12 students who plan to continue on to Grade 13 English. Some Grade 11 students will be accepted subject to interview.

This course is designed to familiarize students with classic works of literature which provide the background for a critical and analytical study of modern literature. Myths, epic poems, biblical stories, Greek tragedies will be studied both for their own value as well as for the contribution to our literary heritage. If time allows, modern works will be studied to investigate the influence of the classics.

ENGLISH - THE MODERN NOVEL

ENG 53N

Area of Study: Communications
Prerequisite: ENG 430

English 53N, The Modern Novel, is an intensive exploration of the psychological and philosophical trends in the twentieth century novel. Students will be guided through an analytical approach to all facets of the novel including style, theme, symbolism, and will ultimately be expected to study critically and independently novels of an author of their choice. Seminars, class assignments and group discussions will be stressed; however, the primary means of evaluation will be the critical essay. Authors will include: Hardy, Hemingway, Camus, D.H. Lawrence, Faulkner, Hesse.

DRAMA

ENG 53T

Area of Study: Communications
Prerequisite: ENG 430

This course will be involved with what is happening on the stage. Students will examine modern plays from the text by means of dramatization, and through visits to current productions. Dramatic criticism will be read and written by students in order to discover and develop critical standards. A seminar and lecture course, English 53T will afford some opportunity for individual choice of work.

PATTERNS IN LITERATURE

ENG 53S

Area of Study: Communications
Prerequisite: ENG 430

English 53S, Patterns in Literature, is a survey course examining recurrent themes and character types throughout English literature. Beginning with Anglo-Saxon literature and extending to the twentieth century, the course will trace the treatment and portrayal of Women, Heroes, and Villains in the works studied, which will include poetry, novels, and plays. Thematic investigation will focus on such patterns as the Hero on a Quest, Woman as a Temptress, the Villain as a Hero in Disguise. Group discussions, seminars, independent study and the critical essay will be the methods of evaluation.

THEATRE ARTS PROGRAM

NOTE: The facilities provided for Theatre Arts are operating at maximum capacity. For this reason there is a limited enrolment in the program. Students selecting Theatre Arts at the Senior Level THA 320 and THA 420 must satisfy the prerequisite and obtain Department Head Approval before their request will be granted.

THEATRE ARTS INTRODUCTORY

THA 220

Area of Study: Arts
Prerequisite: None

This course is designed to explore and develop personal awareness and group responsibility. It will focus on this through the use of movement, improvisation, role-playing, relaxation exercises and games. Evaluation will be based on the student's growth in listening, observing and thinking skills as well as various written and studio-based assignments.

THEATRE ARTS INTERMEDIATE

THA 320

Area of Study: Arts

Prerequisite: THA 220 and
Department Head Approval

This course is designed as a continuation of THA 220 with an emphasis placed on personal awareness and group responsibility by focusing on non-verbal communication. From their own awareness and understanding, students will then explore movement, sound, improvisation, rhythm and music. By examining their own experiences, fantasies, nightmares, myths and other sources, the students will be expected to discuss and evaluate their personal development and learning in the course. The student will also be responsible for various written as well as studio-based assignments.

MASS MEDIA

THA 32V

Area of Study: Arts

Prerequisite: THA 220 and
Department Head Approval

This course is an introduction to how Mass Media, (including television, radio, newspapers, films, and advertising) communicates to us: the words, the thinking, and the methods used. The course also looks at what effect mass media has on our values and attitudes; how mass media shapes us, and our world. The student will be required to do a lot of reading, writing, listening, and viewing as homework, and discuss and understand these examples of mass media. Assignments will include radio tapes, newspaper articles and a short television show. Evaluation will be based on class work, oral and written presentations, and three examinations.

THEATRE ARTS SENIOR

THA 420

Area of Study: Arts

Prerequisite: THA 320 and
Department Head Approval

This course looks at communicating and working in groups and exploring and understanding conflict. The focus is personal for the student, as well as an overall awareness of how people react and interact. From this understanding, character development and conflict situations will be explored from records, books, improvisations and current events. Evaluation will be based on several written analyses and reaction papers, some major essays and examinations, as well as studio work in class. The student will also be expected to analyse and evaluate his/her own learning and development.



FAMILY STUDIES

FAM 220

Area of Study: Pure and Applied Sciences;
Social and Environmental Studies
Prerequisite: None

NOTE: Students may only take one Level Two
Family Studies Program.

Everyone is connected to some family in some way! The aim of Family Studies is to develop skills and knowledge to improve family living. There will be an opportunity to develop practical skills in the areas of food preparation and clothing construction. Be prepared to spend \$10.00 on fabric as you explore clothing - the silent language. There will also be an opportunity to develop social skills related to entertaining; food, feasts and families; understanding and guiding young children; getting along in a family and many other units falling in the general area of management, family relationships and housing.

FAMILY STUDIES

FAM 230

Area of Study: Pure and Applied Sciences;
Social and Environmental Studies
Prerequisite: None

NOTE: Students may only take one Level Two
Family Studies Program.

This course is designed for the student who has one year of Family Studies training. The Family Studies curriculum emphasizes preparation of individuals for effective family living. Skills, previously learned, which relate to food preparation, and clothing construction will be further developed. Be prepared to spend \$10.00 for fabric. In addition, learn how to manage your resources of time, energy and money efficiently while satisfying a family's physical needs of food, clothing and shelter and their emotional needs for affection, security and understanding.

LIFE SKILLS

FAM 320

Area of Study: Social and Environmental Studies
Prerequisite: None

This is an introductory Family Studies course designed for students with no previous Family Studies background.

The intent of this course is to provide the students with important skills necessary to prepare them for their role in Canadian society. Students put themselves in the hypothetical situation of being finished school, working and living on their own.

Students will examine the choices available to Canadians with respect to careers, money management, housing, food patterns and food preparation, clothing care and selection, and life styles. Students will gain an appreciation of ethnic groups in Canada through a study of foodways, social patterns and costumes and the contributions these groups have made to the Canadian Culture.

CLOTHING AND DESIGN

FAM 33T

Area of Study: Arts;
Social and Environmental Studies
Prerequisite: FAM 220 or FAM 230

This is a full credit course developed for those students who wish to specialize in clothing and design. Students will investigate (a) the social and psychological aspects of clothing, e.g. social attitudes, individual values, cycles of fashion, etc. (b) the aesthetic aspects of textiles and clothing, e.g. principles of design, fabric design, world fashion centres, etc. and (c) scientific, economic and consumer aspects of textiles and clothing, e.g. alternatives in provision of clothing, textile characteristics and identification, the textile industry, and the effect of economic and ecological concerns. Students will be encouraged to work on practical design and clothing construction projects as an application of theories discussed and an avenue for creative expression. The student should allow \$15.00-\$20.00 for materials.

PARENTING

FAM 33P

Area of Study: Social and Environmental Studies
Prerequisite: None

Do you want to be a parent? Special problems and pleasures are considered for each step in the family life cycle from the engagement period, choosing parenthood and up to and including the elderly family.

The roles of family members and child development practices of families in other cultures throughout the world will be investigated. Principles of child guidance and care and the factors inherent in quality parenting will be applied in practical fieldsite experience.

The forces that shape the development of a child such as family values, food, decision making, organization, budgeting, schooling, communication and interpersonal relationships will be analyzed.

FOODS AND MANAGEMENT

FAM 43M

Area of Study: Social and Environmental Studies;
Pure and Applied Sciences
Prerequisite: FAM 220 or FAM 230 (foods)

Learn how to gain some measure of control over your life through increasing your ability to use the management process. Topics that will be discussed are time, energy, money and self.

An indepth study of food and its' function in relation to weight loss, dieting, disease and other common food concerns will be studied. The roles of food and food rituals in the lives of families and cultures throughout the world will be analyzed through practical application and experimenting.

Trends in food processing, solving world food problems, equipment, appliances, additives, future foods mass marketing will be investigated to show influences on the nutritional health of people, family food patterns, food choice and food costs.

HOUSING AND INTERIOR DECORATION - FAM 43H
THE CONSUMER AND THE CONSERVER

Area of Study: Social and Environmental Studies;
Arts
Prerequisite: None

This is a full credit course intended for students who wish to investigate how housing environment reflects values of individuals, families and community and affects their interaction with each other and for students who wish to acquire some knowledge, skills and attitudes needed to be a responsible consumer of housing.

Practical experiences in the course will be centered around an application of the theories of interior design. A major concern in this course will be the need for conservation of energy and the implication of this need as it pertains to your choice of housing, furnishings and to your establishment of a responsible lifestyle.

EXPLORING CHILDHOOD FAM 420

Area of Study: Social and Environmental Studies
Prerequisite: A group course meeting prior to registration with Course Chairman is necessary to clarify the intent and scope of this course. This course should not be taken if you have taken FAM 43F (1977 course).

From Exploring Childhood, the students should expect two things: a better understanding of himself and his own development and a greater confidence in working with young children now and in future statuses.

This program is designed to give adolescents new and responsible roles working with children, the skills to perform these roles and preparation for adult responsibilities involving the care and welfare of the young. The adolescent will better understand himself when he can objectively look at his development and factors affecting it from birth to present day.

The student will examine all aspects of the development from birth to adolescence and determine his role in shaping that development while relating to young children now and as a parent. This development is examined in a field site situation (daycare, elementary school etc.) and about ½ of scheduled time will be allotted for this.

The course is presented in three modules: (1) working with children; (2) seeing development and (3) family and society.

Both males and females can learn a great deal from exploring the world of children.

This is a 2 credit course.

NOTE: This course is offered pending approval by the Ministry of Education.

THE CANADIAN FAMILY IN PERSPECTIVE FAM 530

Area of Study: Social and Environmental Studies
Prerequisite: None

The main focus of the course is the family in contemporary Canadian society. The Canadian family will be examined in historical, cross-cultural and economic perspectives. An intensive study will be made of the demands, functions and expectations of the family, especially in the area of socialization, the process by which individuals become functioning members of a society. An evaluation of the varied family forms will reveal the delicate balance in structure and function of the family and emphasize the universality of the family as an institution. Promoting personal growth is vital to the well-being of the individuals and family members. For that purpose effective communication will be stressed as the major factor in developing relationships among individuals and family members.



EUROPE AND ASIA

GEO 231

Area of Study: Social and Environmental Studies
Prerequisite: None

This course is for students who are interested in the environment and way of life of people in Europe and Asia. You will study diverse cultures, economies, and environments in such areas as Italy, Japan, Germany, Scandinavia, the Middle East, U.S.S.R., China, and India. You will also study such problems as urbanization, economic development, over-population and resource management. This course will focus on the question why Eurasian people view these problems differently than Canadians.

Learning situations will make wide use of mapwork, films, games, case studies and projects.

NATURAL HAZARDS - CANADIAN STUDIES GEO 320

Area of Study: Social and Environmental Studies;
Applied Sciences
Prerequisite: None

Earthquakes, hurricanes, volcanoes and floods are just some of the spectacular natural events that must be faced by humans in different parts of the world.

In Geography 320 actual examples of some recent well known disasters will be studied using movies, articles and television.

What are they like? How are they caused? What can people do to reduce loss of life and destruction of property in such situations? These are the important questions that we will seek to answer in the course.

CANADA'S PHYSICAL GEOGRAPHY GEO 330 CANADIAN STUDIES

Area of Study: Social and Environmental Studies;
Applied Sciences
Prerequisite: None

Canada's physical environment is the result of many natural events over millions of years. Students will study the violent forces that bent and twisted our rocks, volcanic eruptions, the endless work of rivers, the movement of mile high ice sheets and the timeless effort of wind and waves. This course also provides an opportunity to study weather data and describe and explain climate patterns. Considerable attention will be given to field, map and air photo work.

CANADIAN STUDIES

GEO 220

Area of Study: Social and Environmental Studies
Prerequisite: None

This Canadian Studies course is for students who are interested in the study of different parts of Canada, the study of Canadian problems and the answers to the problems. Areas of study include: The Prairies, The Maritimes, The North, British Columbia, Quebec and Southern Ontario. Canadian problems to be studied include: Population Growth, Poverty, Loss of Farmland, Energy Shortage, Recreation and Immigration. Emphasis will be placed on daily class work, group discussion, and written work.

CANADIAN STUDIES

GEO 230

Area of Study: Social and Environmental Studies
Prerequisite: None

Canada is a vast land and has a great variety of environments and ways of life. In the Canadian Studies course you will learn about the nature and formation of the Canadian Landscape. Two out of three Canadians live in the urban-industrial heartland of Canada. You will spend the second term studying the cities, industries and problems of this important region. During the final term you will learn about other Canadian regions and ways of life through studies of agriculture, forestry, fishing and resource management in areas such as the Prairies, the Far North, the Canadian Shield and Atlantic Canada.

Learning situations will make full use of mapwork, films, slides, games, program packages and projects.

EUROPE AND ASIA

GEO 221

Area of Study: Social and Environmental Studies
Prerequisite: None

This course is for students who have a general interest in the environment and way of life of people in Europe and Asia. Areas of study include: Japan, Italy, Northern Europe, the Middle East, U.S.S.R. and India.

Emphasis will be placed on daily class work and you will learn through the use of maps, films, slides, games and projects. Evaluation will be continuous throughout the course with emphasis on daily work, group discussion and written assignments.

ENVIRONMENTAL ISSUES

GEO 331

Area of Study: Social and Environmental Studies
Prerequisite: None

Overpopulation, food shortage, energy crisis, growth, pollution, resource depletion, development of Canada's North and environmental quality - these and many other problems which face us either have environmental causes or have environmental effects. This course involves studying these and other issues which affect the quality of life in Canada and around the world. These problems will be studied using a variety of approaches - prepared units, seminars, field trips, computer simulations, experiments and simulation games. If you decide to take this course, you should be prepared to approach it with an open mind since very possibly your view of the world may change.

REGIONAL GEOGRAPHY OF NORTH AMERICA CANADIAN STUDIES

GEO 420

Area of Study: Social and Environmental Studies
Prerequisite: None

The Regional Geography of North America is designed for students in the graduating year of the general level program. Parts of Canada and the United States will be used to illustrate aspects of geography such as agriculture, recreation, land use conflict, manufacturing and resource exploitation. This course presents a variety of learning situations such as projects, laboratory exercises, group work and role playing. Field trips and field analysis are an essential part of the course. A wide range of materials such as maps, photos, slides and movies will be used. Students will be evaluated continuously.

REGIONAL GEOGRAPHY

GEO 430

Area of Study: Social and Environmental Studies
Prerequisite: None

Geography 430 is a student centered course which deals with world geographic issues. In order to look at the causes, effects and solutions of these issues, we will study example areas from around the world such as Japan, Holland, Scandinavia, California and the U.S.S.R. The following questions represent some of the issues which we will study. Can Californians continue to live in an area which is drying up? Can the world continue in peace with such conflicts as rich vs. poor nations (India)? What are the effects of tourism on the Caribbean? Will the Middle East share it's oil with the world? Can the Japanese continue as the world's third largest economic power?

Students will be evaluated continuously throughout the course. Various learning situations will be employed such as; film and slide analysis, group projects, role playing, oral presentations, written assignments, and map analysis. The course is designed to help students become more aware of some of our world's major issues as well as more familiar with the nature of people and countries around us.

URBAN LIVING - TODAY AND TOMORROW

GEO 42U

Area of Study: Social and Environmental Studies
Prerequisite: None

More than 8 out of every 10 Canadians live in towns and cities. By the year 2000 even more people will be urban residents. This course deals with what cities are like and how they function - not just now but in the years to come.

The course can be divided into three sections:

1. studying the shape of cities and how they function in the 1970's;
2. learning what cities will be like in the year 2000 and beyond;
3. dealing with the pleasures and problems of living in cities.

URBAN STUDIES - CANADIAN STUDIES

GEO 43U

Area of Study: Social and Environmental Studies
Prerequisite: Departmental Approval

This course is designed to help mature students to develop an in-depth knowledge of the major skills and concepts in urban geography. Study topics include, urbanization and society, community studies, urban functions and the internal structure of the city, the growth and support of towns, contemporary urban problems and urban planning. Stress will be placed on the theory and techniques of urban research.

Learning situations will make use of group work, mapping, films and slides, educational games, library projects and field studies. In addition, students will be required to carry out independent research in consultation with teachers.

Area of Study: Social and Environmental Studies
Prerequisite: Departmental Approval

GEO 530 is designed for students who are interested in region identification, regional theme analysis and the study of key geographic concerns.

Regional themes to be studied include the Near North as a Frontier of Settlement, the Maritimes-Golden Age to Poverty and the Great Lakes-St. Lawrence Lowlands - our Industrial Heartland.

Stress in this course will be on geographic methods: air photo interpretation, map analysis, the use of statistics and field work.

ADVANCED PHYSICAL GEOGRAPHY GEO 53P

Area of Study: Social and Environmental Studies;
Applied Sciences
Prerequisite: Departmental Approval

GEO 53P is based on the idea that the natural world is made up of many related parts. This course deals with such areas as biogeography, weather, climate, resource management and cartography. While open to students of other years, this course is designed for students interested in an indepth study of the physical environment. Considerable attention will be given to map work, statistical techniques and field work.



CANADA SINCE 1945

HIS 220

Area of Study: Social and Environmental Studies
Prerequisite: None

This Canadian Studies programme is set up so as to draw students' attention to three basic Canadian themes that are important to us in the 1970's. First, an investigation of the current unrest in Quebec will point out the conditions that led to the victory of the *Partie Quebecois* - the separatist party. Second, a study of Canada's political, economic and social character will be made and we will try to discover whether our country is a truly independent nation or really a colony of the United States. Finally, students will examine Canada's identity as seen in our art, music, dance and literature.

The development of reading, note taking, writing, speaking and organizational skills will be stressed.

CONTEMPORARY CANADA CANADIAN STUDIES

HIS 230

Area of Study: Social and Environmental Studies
Prerequisite: None

The aim of this course is to analyse in historical perspective contemporary issues of concern to Canadians. Selected topics will include issues related to politics, economics, foreign policy, citizenship, the arts, French-English relations, Canadian-American relations, the Third World and the Canadian Identity.

Students will be encouraged to develop written and verbal communicative skills. Varied classroom methods, including group discussion and research skills, will stimulate the discovery of the themes which underlie our Canadian way of life.

MULTICULTURALISM - CANADIAN STUDIES

HIS 22M

Area of Study: Social and Environmental Studies
Prerequisite: None

We are what History makes us and the reasons why we are "Canadians" are to be found in the history of Europe as well as North America.

Through the study of interesting and relevant topics selected from European and North American history the student will be encouraged to discover how and why our society has achieved its present form. Improvement of reading comprehension and oral and written communication will be gained by class discussion, reading, presentations, and written assignments.

MULTICULTURALISM - CANADIAN STUDIES

HIS 23M

Area of Study: Social and Environmental Studies
Prerequisite: None

The aim of this course is to enhance the students' understanding of Canada's multicultural heritage. Selected topics and themes will examine the roots and the contributions of the many peoples that developed our present day Canadian culture. The Native Peoples, the French, the British, the Italians and the Blacks are the major groups that will be studied at Westview this year.

Students will be encouraged to develop written and verbal communicative skills. Varied classroom methods, including group discussion and research skills, will promote an awareness of the many cultures that are to be found in Canada.

THE RISE OF WESTERN CIVILIZATION

HIS 320

Area of Study: Social and Environmental Studies
Prerequisite: None

This course examines the development of Western civilization from the beginning of time up to the 16th century. The overall aim of this course is that students should discover that our present way of life owes much to our Mediterranean and European backgrounds. Students will explore topics such as the Mysteries of the Pyramids, the Golden Age of the Greeks, the Power that was Rome, the Italian Renaissance as well as important contemporary issues. Skills that will be stressed are research techniques, communication - both oral and written - and the ability to select and relate information.

THE RISE OF WESTERN CIVILIZATION

HIS 330

Area of Study: Social and Environmental Studies
Prerequisite: None

This course involves a study of the major political, economic, religious, scientific and cultural developments of the ancient Middle East, Egypt, Greece, Rome and the rising European nations that form the roots of our present civilization. Research essays, debates, and class discussions will encourage the student to form intelligent

opinions about the subject material. Students will be exposed to a wide variety of films, film strips and controversial articles that will challenge attitudes toward and perceptions of the major ideals and beliefs that underlie our Western society.

WORLD POLITICS

HIS 32P

Area of Study: Social and Environmental Studies
Prerequisite: None

The aim of this course is to provide the student with a basis for understanding the political philosophies such as outlined by Locke, Rousseau and Marx. Next, the development of the nation state and the differing governmental structures that develop from these philosophies are studied - governments that are democratic, communist or fascist. Nations are then examined within our present world community both as members of international organizations and as members of power blocs such as U.S. and friends and U.S.S.R. and friends. As well, current event problems such as the actions of terrorist groups and the Middle East Crisis are studied throughout the year.

Emphasis will be placed on participation, in-class discussions and written reports.

MAN IN SOCIETY - PART I

MIS 320

Area of Study: Social and Environmental Studies
Prerequisite: None

Individuals in society today are continually faced with complicated problems. It is therefore important that today's students understand their role within society, for both the present and future.

"Man in Society" will examine the role of the individual and how he or she interacts within the groups that make up our society. Frequent class discussions will give the student the opportunity to express his or her ideas and viewpoints on topics of social concern.

Communicative skills, both written and verbal, will be stressed throughout the course. Students will be expected to participate in class discussions and to read a variety of provided articles in preparation for these discussions. Short written and research assignments as well as class presentations will be required.

Films and guest speakers will be useful aids to the class's study of such topics as the behaviour of man, the role of the family, changing sex roles, our prison system, alienation and other issues of contemporary concern.

EUROPE IN REVOLUTION

HIS 430

Area of Study: Social and Environmental Studies
Prerequisite: One of: HIS 230, 330 or ENG 330
or Departmental Approval

This course focuses on major developments in European History from the 18th Century to the 20th Century. It shows how these developments affected not only Europe, but events throughout the world. The underlying theme is Revolution. The types of, causes of, characteristics of and the importance of Revolutions will be examined in Revolutions such as the French, Russian and the Fascist Revolutions of Germany and Italy in the 1920's and 1930's. This examination will provide an understanding of basic concepts such as nationalism, liberalism and communism and give students an insight into leaders like Lenin, Hitler, Mussolini, Churchill and Mao Tse-Tung.

The skills involved in oral and written communication, historical analysis, seminar presentation and research for essay writing will be stressed.

WORLD RELIGIONS

HIS 42R

Area of Study: Social and Environmental Studies
Prerequisite: None

NOTE: This course is open to students in Years 4 or 5, or possibly Year 3. Students with the recommended background in HIS 320, MIS 320, HIS 32P, or HIS 330 will be given preference.

This course is a study of primitive religion and the five main religions of our modern world: Hinduism, Buddhism, Judaism, Islam and Christianity. Students, through the study of these great philosophies, will be encouraged to ask fundamental questions about themselves, their lives, and the human community. Through the media of class discussion, report and seminar presentation, individual research, field study and audio-visual presentations, students should achieve a better and more sympathetic understanding of the world of which they are a part.

MAN IN SOCIETY - PART II

MIS 420

MEN AND WOMEN IN A CHANGING SOCIETY

Area of Study: Social and Environmental Studies
Prerequisite: None

Building on concepts developed in MIS Part I, this course will enable the student to extend his/her understanding of the individual and the forces that shape him/her by focusing on group behaviour.

Current social issues will be examined with respect to sex-role stereotyping as conditioned by politics, labour, the law, the arts and the mass media. Films and guest speakers will be useful aids to the classes' study of such further topics as socialization, discrimination, immigrant problems as well as contemporary behavioural expectations of men and women in our society and the Third World.

Communication skills established in MIS Part I, will be reinforced. Student evaluation will be based on class participation, written research assignments and oral presentations.

ECONOMICS - OUR CANADIAN WAY ECO 420

Area of Study: Social and Environmental Studies
Prerequisite: None

This course is an introduction to our Canadian way of life designed to give the student an insight into how our economy is structured. Current economic events will be examined with respect to wages, prices, inflation, investment, labour unions and government.

This course is structured to provide practical economic knowledge that will be useful to the student throughout his life. Written and oral reports, group work, and independent research of issues of concern will permit the student to develop an understanding of our economy at work.

CANADA IN NORTH AMERICA HIS 530

Area of Study: Social and Environmental Studies
Prerequisite: Two of: HIS 430, HIS 330, ENG 430 and Department Head Approval.

This course will examine various themes in Canadian History from New France to the present. Emphasis will be placed on such areas as French-English relations, Canadian identity, Canadian-American relations and political and cultural survival. These themes will encourage the student to develop an understanding of current Canadian problems.

Skills stressed involve historical interpretation, independent research and seminar presentations.

AMERICAN CIVILIZATION

HIS 53A

Area of Study: Social and Environmental Studies
Prerequisite: Two of: HIS 430, HIS 330, ENG 430 and Departmental Approval.

This course will examine the history of the United States from Colonial times to the present. Students will focus on selected political themes such as the American Revolution, the Civil War and the Twentieth Century Reform Movements from the New Freedom to the New Frontier. Social themes will include the Aspirin Age, the Morals Revolution of the late 1960's and Watergate. Foreign policy from Isolationism to Imperialism in Viet Nam will be examined.

Skills stressed involve historiography, seminar work and historical analysis. The ultimate aim of the course is to develop an understanding of why the eighteenth century "American Dream" turned into the twentieth century "American Nightmare".

COMPARATIVE POLITICAL SYSTEMS HIS 53P

Area of Study: Social and Environmental Studies
Prerequisite: Two of: HIS 330, HIS 430, ENG 430 and Departmental Approval.

This course will examine the philosophies and structures of the Canadian, American and Soviet governments. The ideologies and mechanics of these three governments will be compared and the political problems currently present in these nations will be discussed with reference to probable solutions. The course will involve individual research, group involvement and seminar presentations and will offer field trips and guest speakers.

THE CANADIAN ECONOMY ECO 530

Area of Study: Social and Environmental Studies
Prerequisite: Two of: HIS 330, HIS 430, ENG 430 and Departmental Approval.

Today's young people will encounter economic and political issues of increasing complexity. Therefore, this course is designed to provide a set of basic economic concepts and principles which will benefit the student in later life.

The first section of the course will examine the theories of economists such as Smith, Marx, and Galbraith. Part two will introduce students to basic economic theory. In the last part of the course, problems such as inflation, unemployment, Americanization of the economy and economic growth will be dealt with.

anguages

HUMANITIES

HUM 430

Area of Study: Communications
Prerequisite: None

This is a course which is designed to acquaint students with the culture of Greece and Rome. Some topics studied will be Marriage and Divorce, Love, Education, Theatre, Slavery and Citizenship. Students will study Greek and Roman writings (in English) in order to learn the literary conventions which are typical of classical literature. They will learn to emulate literary genres so as to explore and challenge their own creative abilities.

GENERAL LEVEL FRENCH

FRE 220

Area of Study: Communications
Prerequisite: Grade 9 French

This course is aimed at students who have had difficulty learning French in previous years. Students who enroll in this course can expect individualized attention and assistance. Drills, short stories and grammar constitute the basic work. Upon completion of this course, students may progress to FRE 320.

FRENCH FOR BEGINNERS

FRE 22B

Area of Study: Communications
Prerequisite: None

Students who have never studied French and wish to begin the study of French will benefit from this course. Time will be spent learning basic sentence structures and a practical vocabulary. Emphasis will be given to the development of correct pronunciation and fluency in speaking.

FRENCH

FRE 230

Area of Study: Communications
Prerequisite: Grade 9 French

Students taking this course are expected to have a reasonable knowledge of French at the Junior High level. Through the use of dialogues, reading passages and exercises, students will develop a broader vocabulary and an automatic use of language structure. Good pronunciation and precision in language will be emphasized. Frequent and regular evaluation will register a student's progress.

FRENCH

FRE 320

Area of Study: Communications
Prerequisite: FRE 220 or FRE 230

This course is a continuation of the FRE 220 course offered at the grade ten level for students who are interested in a practical study of the language but who are not wanting to pursue it at the Grade 13 level. Students will learn grammar and vocabulary necessary to promote some oral expression. Reading selections will enrich the student's vocabulary and provide for projects on the life in Quebec and France.

FRENCH

FRE 330

Area of Study: Communications
Prerequisite: FRE 230

In this course the student will continue to develop his oral skills, frequently on an individual creative basis, through the use of conversational material, stories, and pattern drills. Increased emphasis will be given to the development of writing and reading skills. In the reading of brief passages, he will broaden his understanding of French life and people. Evaluation will be based on daily written and oral work.

FRENCH

FRE 430

Area of Study: Communications
Prerequisite: FRE 330

This course is a continuation of the program in FRE 330. Reading passages will further acquaint the students with life in the province of Quebec. There will be increased opportunity to speak French during conversations and presentations. Grammatical exercises will assist the students in expressing themselves in a precise fashion. A guided 4 day tour to Quebec will be offered to students in FRE 430.

FRENCH

FRE 530

Area of Study: Communications
Prerequisite: FRE 430

This course offers the student an opportunity to extend and perfect the four language skills of listening, speaking, reading, and writing. Through the use of a text, tapes, records, films, magazine articles, etc. the course emphasizes student participation and offers a variety of modes for communication in French on a wide range of topics. A 4 day guided tour to Quebec will be offered to students of FRE 530.

FRENCH LITERATURE

FRE 53L

Area of Study: Communications
Prerequisite: FRE 430

In this course the student will be guided in the analysis of French and French Canadian literature. By studying representative writings from the 16th to 20th centuries, the student will develop his oral fluency and his writing skills. Evaluation will be based on written tests, a seminar and classroom participation. By doing research, taking field trips and following the news of the French-speaking world, the student will be well-prepared for French at the University level.

GENERAL ITALIAN

ITA 220

Area of Study: Communications
Prerequisite: None

This is a general level course in which much time will be allotted to oral work. The skills of writing and reading will also be taught; grammar, however, will be treated informally. Students will be introduced to Italian culture by means of films, slides, tapes, records, and field trips. This course will have a practical approach to Italian language and will not lead to grade thirteen.

ITALIAN

ITA 230

Area of Study: Communications
Prerequisite: None

This course is an introduction to Italian using Primo Corso d'Italiano with emphasis on the skills of listening, understanding, speaking and reading. This approach stresses oral drills, basic structures, and reading selections with stories and anecdotes. Tapes and records supplement the text.

ITALIAN

ITA 24E

Area of Study: Communications
Prerequisite: Spoken and reading knowledge of Italian

This course, designed for students who already have a reading knowledge of Italian, is similar in structure to ITA 230 with emphasis on writing as well as the skills of listening, understanding and reading. The approach consists of drills on basic structures and reading selections with additional written exercises and the study of short stories and anecdotes. Other cultural material (records, movies, slides, etc.) supplement the text.

ITALIAN

ITA 320

Area of Study: Communications
Prerequisite: ITA 230

This is a general course designed for those students who have had difficulty with the 230 program but wish to continue their study of Italian. A limited number of grammatical structures will be taught. Since the emphasis is on strengthening oral ability, intensive work will be done in studying and creating dialogues. Short stories and anecdotes will provide material for reading and will guide writing skills. As a background to Italy's history and customs, students will use a wide range of audio-visual material such as films, tapes, slides and records.

ITALIAN

ITA 330

Area of Study: Communications
Prerequisite: ITA 230

This course is a continuation of ITA 230, using Secondo Corso d'Italiano, and includes the learning of advanced grammatical structures and expanding vocabulary. Methods which reinforce comprehension and speaking ability, such as the learning of dialogues and idiomatic expressions will be used. Reading and writing are approached through the use of a short reading text. There will be a continuous evaluation of oral and written work.

ITALIAN

ITA 34E

Area of Study: Communications
Prerequisite: ITA 24E

In this second level of an enriched course, the basic approach described under ITA 24E is continued with more advanced grammatical structures and vocabulary and the reinforcement of these through a variety of written assignments. Oral proficiency will be fostered through group discussions on topics decided by the students. Reading and writing are approached through the use of a reading text on the history, culture and geography of Italy. There will be a continuous evaluation of oral and written work.

ITALIAN

ITA 430

Area of Study: Communications
Prerequisite: ITA 330 or ITA 33E

Having acquired a basic oral command of the language in earlier courses, the student will spend a greater portion of time on reading and writing. Written exercises and compositions are based on the intensive study of modern short stories by contemporary Italian authors. Discussion and conversation on prepared topics will exercise oral skills.

ITALIAN

ITA 44E

Area of Study: Communications
Prerequisite: ITA 34E

This course is a continuation of the program of enriched Italian at the Year 3 level (i.e. - ITA 34E). The choice of text will offer more variety in content and a greater vocabulary. Oral presentations and written assignments are designed to improve facility with the language on topics of student interest. The basic core of the course, nevertheless, will be similar to ITA 430. Other cultural material may be used depending on the individual proficiency of the students.

ITALIAN FOR BUSINESS

ITA 43B

Area of Study: Communications
Prerequisite: ITA 320, or 330, or 34E or with the permission of the instructor.

The aim of this course is to give students a knowledge of vocabulary (words, phrases, and terms) necessary in the business world. Stress will be placed on composition relating to business communication and correspondence. Some of the business fields covered are law, travel, real estate, insurance, medicine, banking, importing and exporting etc. Emphasis will be placed on preparing students to meet the demands, in Italian, of the business community. Translation of Italian to English and English to Italian will form about 20 percent of the course.

ITALIAN LITERATURE

ITA 53L

Area of Study: Communications
Prerequisite: ITA 430 or ITA 44E

This course is designed to introduce the advanced student to Italian literature. It consists of an extensive survey of Italian authors through poetry and short stories, and an intensive study of a contemporary novel and a modern play. Other cultural aspects will be treated through magazine articles, films, slides, oral presentations and short essays. Some difficult grammatical points are treated as the need arises.

ITALIAN

ITA 530

Area of Study: Communications
Prerequisite: ITA 430 or ITA 44E

The work in this credit will provide a thorough review of the grammar learned in previous years and concentrate on the writing of creative

composition to master more complex structures. A supplementary reading text will be used for oral and written compositions and the learning of new vocabulary.

LATIN

AN INTRODUCTION

WHY LATIN?

Because:

Latin is a language which forms the basis of 66% of English.

Latin is the origin of the Romance languages e.g. Italian, French, Spanish, etc.

Latin is also the study of the civilization of Greece and Rome whose contributions in every sphere of life from architecture to the zodiac have influenced our Western heritage.

If you are curious about the world before you came into it...

If you are ready for more than monosyllables...

If you enjoy mythology, archeology, etymology...

If you want grammar to make sense...

If you intend to study languages at the university level...

If you want a background for English, History, Art...

Then Latin is for you!

LATIN

LAT 230

Area of Study: Social and Environmental Studies; Communications
Prerequisite: None

This is an introductory course to the study of the Latin language and Roman civilization. Emphasis is placed on reading Latin and thereby assimilating new vocabulary and structures. The reading passages focus on the daily activities of the people of classical times. Students research topics of their choice on urban life. Tapes, slides, films, and the general application of Latin to many fields of study such as English, History, Science, and Art form part of this course.

LATIN

LAT 330

Area of Study: Social and Environmental Studies;
Communications

Prerequisite: LAT 230

This course continues the approach of LAT 230. Through the reading passages, the student continues to master new words and forms. In the varied content of the reading selections, important questions which affected the political and social life of the Roman world are explored. Applications of these discussions are made to our own lives. Films, video tapes, and student presentations on topics of mythology, philosophy, and archeology enrich the course.

LATIN

LAT 430

Area of Study: Communications

Prerequisite: LAT 330

While completing their study of the language, students will be introduced to a study of Latin literature. Various modes of expression and diverse topics of enduring interest will be explored. These include Latin poetry and prose discussing social problems, love, humour, adventure, and philosophy. Films and video tapes will aid in the study of texts.

LATIN

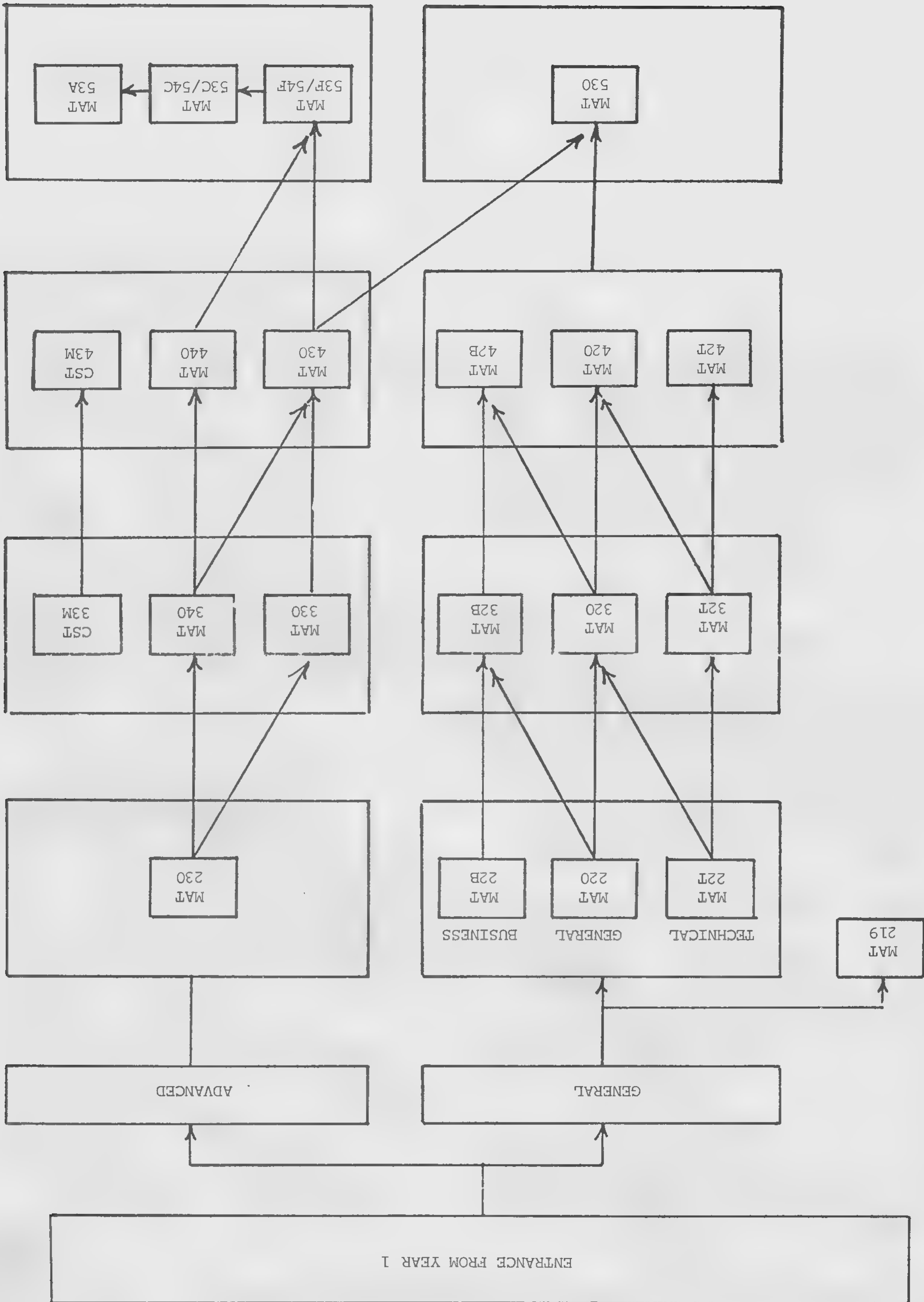
LAT 530

Area of Study: Communications

Prerequisite: LAT 430

The major emphasis in this course is on the reading of Latin prose and verse. Authors such as Caesar, Cicero, Horace, Vergil, Catullus, as well as writers of later Latin will be studied in the original and/or in translation. The approach is varied, and accommodates the students' interests whether they be political or literary. Grammar is reviewed extensively on an independent study basis. The scope of textual materials is broadened by the use of films, slides, and video tapes.

ENTRANCE FROM YEAR 1



MAT 22B

MATHEMATICS - BUSINESS

Area of Study: Pure and Applied Science
Prerequisite: MAT 120 or Year 1 Advanced Mathematics

This course is designed for students taking a business program. The course consists of a review of percent, operations with fractions, algebra, practical measurements, purchasing, simple interest, managing personal property and payroll. Linear equations and their graphs are studied and applied to business problems.

MAT 22T

MATHEMATICS - TECHNICAL

Area of Study: Pure and Applied Science
Prerequisite: MAT 12T or Year One Advanced Mathematics

This course is intended for students who are taking technical courses at the general level.

The work on number systems in Year One Mathematics is reviewed and extended to the sets of irrational and real numbers. An

introduction to relations and functions is made and students learn how to graph linear relations and determine the solution set for two linear relations both algebraically and graphically. The slide rule is introduced and is used in problems involving perimeter, area and volume.

Basic algebra from year one is reviewed and extended.

MAT 230

MATHEMATICS

Area of Study: Pure and Applied Science
Prerequisite: Grade 9 Advanced

This course centres around four main areas. The first area of study includes mathematical systems with emphasis on the real number system. Relations and their graphs are studied with special emphasis on the linear function. The solution of a system of linear equations, and the solution of word problems leading to a system of linear equations follows from the study of linear functions. Geometry with special emphasis on triangle congruencies and parallel lines is studied. The fourth area is a study of algorithms and an introduction to work with the computer.

MAT 120

MATHEMATICS - GENERAL

Area of Study: Pure and Applied Science
Prerequisite: None

This course reviews the basic operations with the set of whole numbers and then proceeds to investigate operations in the sets of integers and rationals (fractions). An introduction to basic algebra is presented along with the solution of equations and inequalities involving one variable. Geometry is introduced and the basic geometric constructions are studied. Some time is also spent in the calculation of area and volume.

MAT 219

MATHEMATICS

Area of Study: Pure and Applied Science
Prerequisite: This course is for students who have been recommended by their Year One teacher and have completed a Year One Mathematics course.

This course is designed to help students develop a knowledge of the basic skills and concepts in Mathematics. The basic operations with the set of whole numbers are reviewed and extended to the sets of integers and rationals (fractions and decimals). An introduction to basic algebra is presented along with the solution of equations and inequalities involving one variable. Geometry is introduced and the basic geometric constructions are studied.

MAT 220

MATHEMATICS

Area of Study: Pure and Applied Science
Prerequisite: MAT 120, or Year 1 Advanced

This is a course in general mathematical concepts. Some of the topics covered are percent, operations with fractions and decimals, laws of exponents, linear equations and their graphs, algebraic solution of systems of linear equations. The course also includes purchasing and managing personal property, payroll and numerical applications.

MATHEMATICS MAT 330

Area of Study: Pure and Applied Science
Prerequisite: MAT 230

This course begins with a review of the geometry studied in MAT 230 and is extended to include ratio and proportion, similarity, area and the geometry of the circle. In algebra, the factoring of polynomials is reviewed and continued in order to aid in the simplification of rational expressions. The solution of equations and inequalities is reviewed and then extended to the solution of radical equations. Trigonometry is introduced, and the basic fundamentals and applications are covered at this level.

MATHEMATICS MAT 340

Area of Study: Pure and Applied Science
Prerequisite: MAT 230 and Department Head Approval

All the material covered in MAT 330 will also be studied in this course, but most of the topics will be studied in greater depth. An additional section, logic will also be included.

MATHEMATICS MAT 420

Area of Study: Pure and Applied Science
Prerequisite: MAT 320, or MAT 32B, or MAT 32T or MAT 330

This course provides the student with some knowledge of modern mathematics. The concept of a function is reviewed and extended to the quadratic function. Probability and statistics are introduced along with some business topics such as annuities, foreign exchange, home ownership, stocks and bond values.

MATHEMATICS - BUSINESS MAT 42B

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 32B, or MAT 330

This course is an extension of the money management topics studied in MAT 32B. Some of the topics studied are sequences and series, an in-depth study of annuities, foreign exchange, home ownership, stocks and bonds, income tax, statistics and probability.

MATHEMATICS MAT 320

Area of Study: Pure and Applied Science
Prerequisite: MAT 220, or MAT 22B, or MAT 22T, or MAT 230

Mathematics 320 is a general mathematics course which will enlarge upon the topics studied in earlier courses. Review of operations with fractions extension of work on linear relations and their graphs and an introduction to analytic geometry of the straight line as the first topics considered.

Further work is done on algebraic exponents and trigonometry. Some time is spent in studying commission; simple and compound interest; profit and loss; promissory notes; and taxation in the municipal, sales and personal areas.

MATHEMATICS - BUSINESS MAT 32B

Area of Study: Pure and Applied Science
Prerequisite: MAT 220 or MAT 22B or MAT 22T or MAT 230

Mathematics 32B is a business mathematics course which will enlarge the concepts introduced in earlier courses. Review of the operations with fractions, extension of the work with linear relations and their graphs are the first topics studied. The mathematics of finance is then introduced and includes the study of simple and compound interest, promissory notes, commission, profit and loss, discounts, sales tax, municipal taxes and income taxes.

MATHEMATICS - TECHNICAL MAT 32T

Area of Study: Pure and Applied Science
Prerequisite: MAT 22T or MAT 230

This course is designed for students taking technical courses at the general level. Logarithms and the slide rule are studied. The work on relations and functions is reviewed and related to problems on direct and partial variation. The analytic geometry of the straight line is begun in detail and is expanded to include lengths of line segments, coordinates of mid-points and area of triangles. The algebra begun in years one and two is extended along with the solution of two linear equations. The trigonometry begun in year two is reviewed and extended to the solution of oblique triangles.

The course content of MAT 53C will be covered but in greater depth.

CALCULUS - ENRICHED LEVEL
MAT 54C
Area of Study: Pure and Applied Science
Prerequisite: MAT 430, or MAT 440 and Department Head Approval.
Corequisite: MAT 54F

This course is intended for students who wish to complete their secondary school mathematics by unifying some of the concepts studied in earlier years. The study of relations from the previous years is continued through detailed study of the conic sections, namely, parabola, circle, ellipse, and hyperbola. The trigonometry studied in earlier years is extended to include the graphs and properties of the trigonometric functions. Translations, rotations, reflections, dilations, sequences and series, and mathematics of investment are also studied.

MATHEMATICS - FUNCTIONS AND RELATIONS MAT 53F
Area of Study: Pure and Applied Science
Prerequisite: MAT 430

This course consists of a study of the derivatives and integrals of polynomial and trigonometric functions and their applications to physics and mathematics. Complex numbers and polar co-ordinates are also studied. Students enrolled in this course must also take the Functions and Relations course.

MATHEMATICS - CALCULUS MAT 53C
Area of Study: Pure and Applied Science
Prerequisite: MAT 430
Corequisite: MAT 53F

This is a course for students who have a keen interest in mathematics and who intend to take at least one Mathematics course at the post secondary school level. The topics include vectors, mathematical induction, equations of lines and planes, matrices and linear transformations, and a study of mathematical structure. Students taking this course must also enroll in Calculus and Functions and Relations.

MATHEMATICS - ALGEBRA MAT 53A
Area of Study: Pure and Applied Science
Prerequisite: MAT 430
Corequisite: MAT 53C, and MAT 53F

This is a course for students who have a keen interest in mathematics and who intend to take at least one Mathematics course at the post secondary school level. The topics include the straight line, circle, parabola, ellipse and hyperbola, permutations and combinations, probability and statistics, mathematics of investment, and logical reasoning.

NOTE: Students taking this course may not enroll in any other year five mathematics course. MAT 530 is for grade 12 graduates who intend to continue their post secondary education in a humanities or a social science course but not a science course. The topics studied are: Functions, transformations, analytic geometry of

MATHEMATICS MAT 530
Area of Study: Pure and Applied Science
Prerequisite: MAT 430 or Department Head Approval
All the material covered in MAT 430 will also be studied in this course, but most of the topics will be studied in greater depth. An additional section on Elementary Number Theory will also be included.

MATHEMATICS MAT 440
Area of Study: Pure and Applied Science
Prerequisite: MAT 330, or MAT 340 and Department Head Approval.
This course provides the basis required for the study of calculus in grade 13. The concept of a function introduced in earlier courses is continued and leads to particular attention being given to linear functions, quadratic functions, exponential functions and logarithmic functions. The work on trigonometric functions from MAT 330 is extended to include the concept of amplitude, period and phase shift, along with the application of trigonometry using the Law of Sines and Cosines. The geometry of the circle is also studied and the concept of sequences and series is introduced.

MATHEMATICS MAT 430
Area of Study: Pure and Applied Science
Prerequisite: MAT 330, or MAT 340

This course is designed for students taking a general level technical course and is a continuation of MAT 32T. Basic algebraic operation, factoring, solution of first degree equations, logarithms and the slide rule are reviewed. Other topics studied are quadratic equations, quadratic functions, solutions of oblique triangles using trigonometry, statics, centre of gravity and friction problems using the idea of vectors.

MATHEMATICS - TECHNICAL MAT 42T
Area of Study: Pure and Applied Science
Prerequisite: MAT 32T, or MAT 330

FUNCTIONS AND RELATIONS - MAT 54F

ENRICHED LEVEL

Area of Study: Pure and Applied Science
Prerequisite: MAT 430, or MAT 440 and
Department Head Approval.
Corequisite: MAT 54C

The course content of MAT 53F will be covered but in greater depth.

MATHEMATICS - COMPUTER SCIENCE CST 33M

Area of Study: Pure and Applied Science;
Communications

Prerequisite: MAT 230
Corequisite: MAT 330, or MAT 340

This course includes flowcharting, programming, in machine language, assembly language, and FORTRAN, as well as an introduction to computer software and hardware.

MATHEMATICS - COMPUTER SCIENCE CST 43M

Area of Study: Pure and Applied Science
Prerequisite: CST 33M
Corequisite: Grade 12 or Grade 13 Advanced or Enriched Mathematics

This is the second year of a two-year course in computer science. Students will use both the FORTRAN and SP/K programming languages. The last half of the year is spent investigating computer uses in society. Every student will be required to do a major project during the third term.



The following topics will be covered during the year's work:

- (1) the construction and care of the instrument
- (2) playing chords, and accompanying a song
- (3) arpeggios (broken chords)
- (4) the bar and ligado technique
- (5) reading music on the guitar
- (6) finger-picking

Evaluation will be carried out through tests of performance skills learned during the course.

MUS 23C

MUSIC - CHORAL

Area of Study: Arts
Prerequisite: None
Corequisite: At least 1 hour extracurricular performance each week.

The course is designed to develop vocal performance of as wide a variety of choral music as possible--religious, secular, contemporary, pop music, etc., in unison and in parts. In addition, a basic understanding of the written page of choral music will be presented in order to develop the student's ability to sing music at sight.

MUS 23N

MUSIC - STRINGS

Area of Study: Arts
Prerequisite: At least 2 years Junior High music or approval of course
Corequisite: At least 2 hours extracurricular performance each week.

Musical training received at the Junior High School level is thoroughly reviewed with an intensive approach to developing and improving all performance skills. Students will gain knowledge of regular and positional playing through the use of technical studies and graded concert repertoire. Numerous playing tests will be given throughout the academic year. A study of music of the past 100 years will be done through listening, performance and audio visual materials.

MUS 23W

MUSIC - WINDS

Area of Study: Arts
Prerequisite: At least 2 years Junior High music or approval of course
Corequisite: At least 1 hour extracurricular performance each week.

Musical training received at the Junior High School level will be reviewed with an intensive approach to developing and improving all performance skills. Students will gain knowledge of regular and alternate fingerings throughout the compass of their instrument through the use of technical studies and graded concert repertoire. Numerous playing tests will be given during the academic year. A study of musical form of the past 100 years will be done through listening, performance and audio visual materials.

MUSIC - MUSIC OF THE DRUMS

MUS 23D

Area of Study: Arts
Prerequisite: None
Corequisite: At least 1 hour extracurricular club activities each week
(Playing-Singing-Dancing-Listening-Viewing-Creating-Constructing)

This course combines an extensive music appreciation program, with the exciting and exotic flavour and sound of the steel drums of the Caribbean. Unique in its study of the history and development of African, South Asian, West Indian and Afro-American drums, the course evolves into the playing of drum rhythms on steel drums and other percussion instruments native to the Calypso-Ragga beat.

Note: Pending Ministry Approval

MUS 22W

MUSIC - WINDS

Area of Study: Arts
Prerequisite: None
Corequisite: At least 1 hour extracurricular performance each week.

A beginner's course in learning to play a wind instrument and to read music.

MUS 22G

MUSIC - GUITAR

Area of Study: Arts
Prerequisite: None
Corequisite: At least 1 hour extracurricular performance each week.

This course is designed for beginning guitar players, and will help develop the ability to play chords from symbols, as well as to read from standard notation. A suitable text will be provided, along with the guitar. The guidelines of the Ministry of Education will be observed.

MUS 33C

SEE SNW

Area of Study: Arts
Prerequisite: MUS 23C or approval of course director.
Corequisite: At least 2 hours extracurricular performance each week.

This course is a continuation of the program begun in MUS 23C. Additional performance of all types of choral music will be given with some stress placed on solo performances. A study of musical form of the past 200 years will be done through listening, performance, and audio visual materials.

WE SOW

NOTE: Pending Ministry Approval

ME E SNW

A course in music theory based on the standards required for the grade II theory - Royal Conservatory of Music. Notation clefs, transposition, intervals, inversions, triads, dominant sevenths, diatonic and chromatic scales, musical ornaments and terms. An attempt to use these materials in elementary creative composition will also be presented.

NEE SWW

MUSIC - CHORAL

MUS 43C

Area of Study: Arts

Prerequisite: MUS 33C or approval of course director.

Corequisite: At least 2 hours extracurricular performance each week.

MUS 43C

MUS 33N is a further extension of the previous year's course designed to improve the student's technical ability through the use of advanced studies and concert repertoire of increasing difficulty. Numerous playing tests will be given throughout the academic year. A study of musical form of the past 200 years will be done through listening, performance and audio visual materials.

MUS 530

MUSIC - SENIOR

Area of Study: Arts
Prerequisite: MUS 43W, MUS 43N, MUS 43C or approval of course director.
Corequisite: At least 2 hours extracurricular performance each week.

This course is a continuation of work done in previous years stressing improved performance on the student's major instrument. The course will centre around the history of music of the past 400 years. Projects will take the form of seminar presentations and musical theory will be discussed in relation to the above studies. Basic conducting techniques will also be introduced. A minor unrelated instrument may also be studied this year.

MUS 43N

MUSIC - STRINGS

Area of Study: Arts
Prerequisite: MUS 33N or approval of course director.
Corequisite: At least 2 hours extracurricular performance each week.

This course is a continuation of work studied in previous years. Studies and repertoire will be more difficult and will be dealt with more intensively. A review of all theory, scales, key signatures, notation, etc., will be augmented by melody writing, musical terms, elementary harmony and transposition. Numerous playing tests will be given throughout the academic year. A study of musical form of the past 300 years will be done through listening, performance, and audio visual materials.

MUS 43S

STAGE BAND

Area of Study: Arts
Prerequisite: MUS 33S or approval of course director.
Corequisite: Must be enrolled in one other music course.

A continuation of the work covered in MUS 33S with more stress on individual solo work and improvisational technique. Individual listening to instructional tapes and records as well as given. Listening to current big bands as well as small group jazz ensembles will be also done as much as possible.

NOTE: Pending Ministry Approval

MUS 43W

MUSIC - WINDS

Area of Study: Arts
Prerequisite: MUS 33W or approval of course director.
Corequisite: At least 2 hours extracurricular performance each week.

This course is a continuation of work studied in previous years. Studies and repertoire will be more difficult and will be dealt with more intensively. A review of all theory, scales, key signatures, notation, etc., will be augmented by melody writing, musical terms, elementary harmony and transposition. Numerous playing tests will be given throughout the academic year. A study of musical form of the past 300 years will be done through listening, performance and audio visual materials.

PHYSICAL AND HEALTH EDUCATION - BOYS PHE 43B

Area of Study: Arts;

Social and Environmental Studies

Prerequisite: None

The year 4 co-educational course will give an insight into individual and team recreational and socio-athletic areas. Emphasis will be on (1) basic instruction in newly introduced carry-over sports such as golf, diving and skiing. (2) Advanced instruction in activities that the students may intend pursuing in later life such as swimming, tennis, badminton, archery and track and field. This course will also offer the students advanced recreational work in basketball, volleyball, dance and gymnastics. Each student must take at least one swimming activity.

The program is designed so that each student may select his own activity from a wide variety of activities offered at the same time. Some activities will take place away from school, therefore, an extra effort will be required of the students in their participation and attendance. The Health Course will be in three sections. Students will choose two of the three for study. In the first, family life and consumer health will be dealt with in depth. Topics such as the role of the family in today's society, young married life, family planning, marriage problems, and child development will be discussed. In the second section, Mental Health will be studied under these major topics - A Definition of Good Mental Health, Mental Illness, and Emotional Maturity. In the third section, lecture, discussion and seminar techniques will combine with experimentation to give the student an understanding of bodily functions and principles and methods of physical fitness.

PHYSICAL AND HEALTH EDUCATION - GIRLS PHE 23G

Area of Study: Arts

Prerequisite: None

A review of the basic skills of team sports will be offered. Concentrated instruction in individual activities such as gymnastics, badminton, track and field, and dance will be given. In addition, all girls will take one unit of swim instruction. Physical fitness and social adjustment in group activities will be emphasized. The health course will help students form a mature attitude toward human sexual behaviour. To achieve this end the following topics will be included: heredity and environment, reproduction, prenatal development, birth control, menstruation, birth and problems related to maintenance of a health body, such as venereal diseases.



PHYSICAL AND HEALTH EDUCATION - BOYS PHE 23B

Area of Study: Arts

Prerequisite: None

A review of the basic skills of team sports will be offered. Concentrated instruction in individual activities such as gymnastics, track and field will be given. In addition, all boys will take one unit of swim instruction. Physical fitness and social adjustment in group activities will be emphasized. The Health Course will help students form a mature attitude toward human sexual behaviour. To achieve this end the following topics will be included: heredity and environment, reproductive systems, prenatal development, birth, and problems related to the maintenance of a health body, such as cancer and venereal disease.

PHYSICAL AND HEALTH EDUCATION - BOYS PHE 33B

Area of Study: Arts;

Social and Environmental Studies

Prerequisite: None

The emphasis of this course will be on individual challenge. Each student will be able to select his activities. Courses offered will include: (1) basic instruction in individual sports, such as gymnastics, wrestling, archery, badminton, tennis, and swimming. (2) advanced instruction in team and group activities such as volleyball, basketball, soccer, and rugby. Physical fitness and competitive activity will be emphasized in this year's work. Each student must take part in the swimming programme at least once.

The aim of the health courses is to investigate some experiences of facing today's youth so that they may understand and deal with their problems more effectively. This will be done by referring to basic psychology and everyday examples. Unit I considers the three basic adolescent spheres of influence, the home, the school, and the peer group. Unit II deals with athletic injuries and basic first aid.

PHYSICAL AND HEALTH EDUCATION - GIRLS PHE 33G

Area of Study: Arts; Social and Environmental Studies

Prerequisite: None

The Health Course will be in three sections. Students will choose two of the three for study. In the first, family life and consumer health will be dealt with in depth. Topics such as the role of the family in today's society, young married life, family planning, marriage problems, and child development will be discussed.

In the second section, Mental Health will be studied under these major topics - A Definition of Good Mental Health, Mental Illness, and Emotional Maturity. In the third section, lecture, discussion and seminar techniques will combine with experimentation to give the student an understanding of bodily functions and principles and methods of physical fitness.

The emphasis of this course will be on individual challenge. Each student will be able to select her activities. Courses offered will include: 1) basic instruction in individual sports, such as gymnastics, archery, badminton, tennis, swimming; 2) advanced instruction in team and group activities such as volleyball, basketball, and modern dance. Physical fitness and competitive activity will be emphasized in this year's course. Each student must take part in the swimming program at least once.

Students this year will receive a choice of health courses, picking two of the three offered. The aim of these courses is to investigate some experiences facing today's youth so that they may understand and deal with their problems more effectively. This will be done by referring to basic psychology and everyday examples. Unit I considers the three basic adolescent spheres of influence, the home, the school, the peer group. Unit II deals with athletic injuries and basic first aid. Unit III will explore female sexuality.

PHYSICAL AND HEALTH EDUCATION - GIRLS PHE 43G

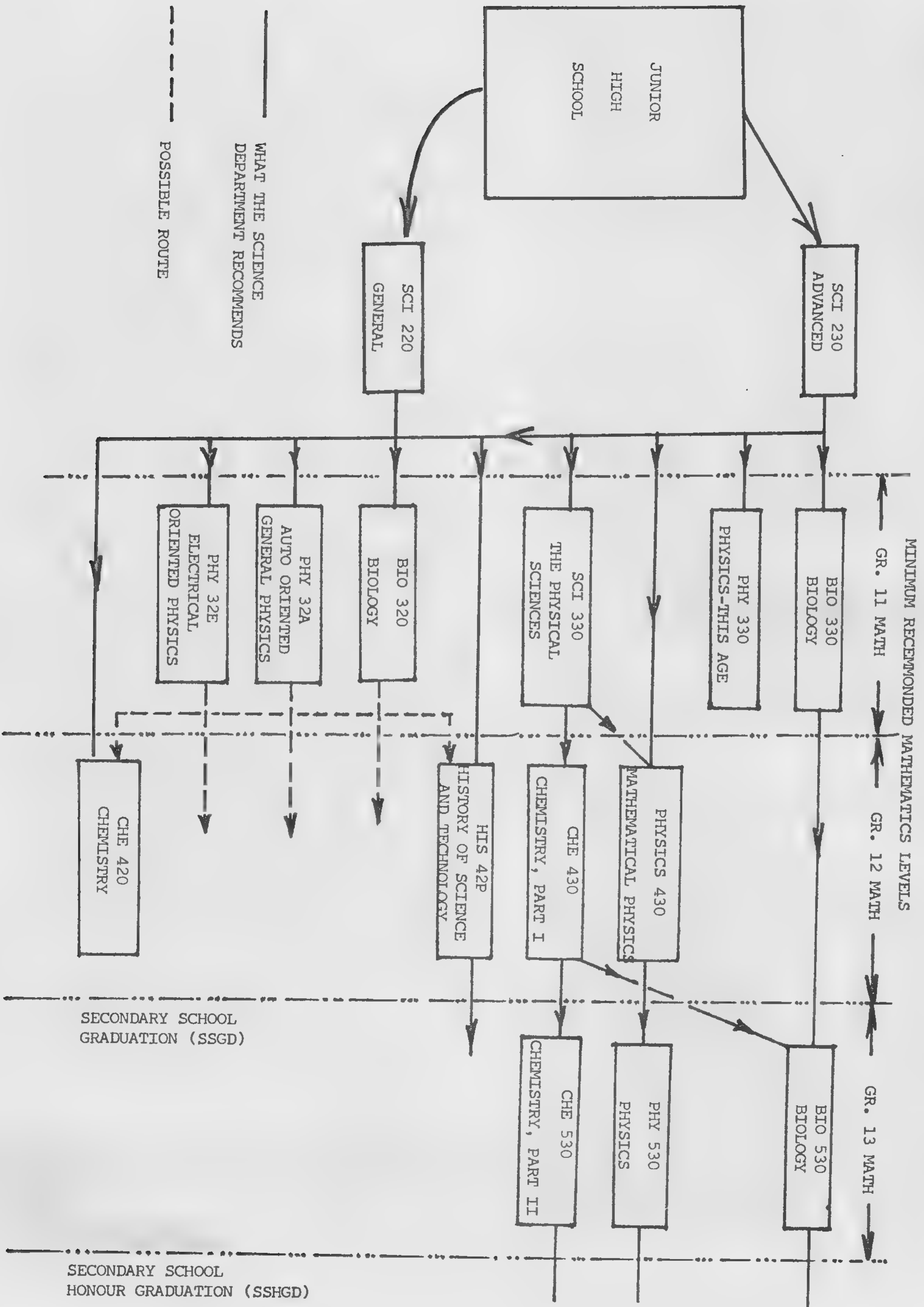
Area of Study: Arts; Social and Environmental Studies

Prerequisite: None

The year 4 co-educational course will give an insight into individual and team recreational and socio-athletic areas. Emphasis will be on 1) basic instruction in newly introduced carry-over sports such as golf, and other leisure sports. Advanced instruction in activities that the students may intend pursuing in later life such as swimming, tennis, badminton, archery and track and field. This course will also offer the students advanced recreational work in basketball, volleyball, dance and gymnastics. Each student must take at least one swimming activity.

The program is designed so that each student may select her own activity from a wide variety of activities offered at the same time. Some activities will take place away from school, therefore, an extra effort will be required of the students in their participation and attendance.

SCIENCE CREDITS AT WESTVIEW





BIO 530

BIOLOGY

Area of Study: Pure and Applied Science
Prerequisite: CHE 430

Biology is a rapidly expanding science with new discoveries being made each day. In this course an attempt is made to understand the basic working (or physiology) of the living cell - plant and animal. Once this understanding has been accomplished, a student can then judge and appreciate the delicate balance of life and place some of the new discoveries and statements in their proper perspective.

The course presents the cell, its microscopic anatomy and some of its basic chemical reactions. When these areas are understood, the anatomy and physiology of the two larger groups of organisms are studied using mammals and flowering plants as examples.

With a knowledge of the above mentioned subjects a greater comprehension can be obtained of the other areas studied - genetics, heredity, evolution and ecology.

GENERAL CHEMISTRY
CHE 420

Area of Study: Pure and Applied Science
Prerequisite: Grade 10 Science

NOTE: In general, this is a non-mathematical course and as such, is NOT suitable as an entry to further courses in chemistry, such as CHE 530.

For the student taking a program including a number of technical subjects, an understanding of some of the chemical processes which are so important in today's technological society, is valuable. After an introduction to the language of chemistry, and some of the basic principles of the subject, several of these processes are discussed. Much of the student's time is spent in the practical application of these principles in the laboratory.

CHEMISTRY - ADVANCED - PART I
CHE 430

Area of Study: Pure and Applied Science
Prerequisite: SCI 330 or Department Head Approval

NOTE: Standing in SCI 330 is required for this course, and the student is recommended to take PHX 430 in conjunction with this course.

For the students intending further studies in the sciences, both physical and biological, a thorough grounding in the language and basic techniques of chemistry is essential. This course is the first part of a two part course, which will provide this background. Chemistry, part II may be taken in Year Five.

BIOLOGY
BIO 320

Area of Study: Pure and Applied Science
Prerequisite: SCI 220 or SCI 230

This course is divided into three general areas, all of which are integrated. The first section deals with the origin of life and how the first cells were believed to have evolved. A study of the structure and development of cells is oriented around laboratory activities mainly through the use of microscopes and slides, of which many are prepared by the student.

The course then leads to an examination of a variety of organisms with special emphasis given to the organisms' abilities to adapt to their changing environment.

The final section will be an introduction to the study of ecology. The theme of the entire course is the interaction of organisms with each other and their environment.

A variety of methods of evaluation are used such as daily work, written assignments, tests and examinations.

BIOLOGY
BIO 330

Area of Study: Pure and Applied Science
Prerequisite: SCI 230

To understand many of today's world problems such as disease, population control, and pollution a basic knowledge of biology is necessary. Through a variety of methods many fundamental biological principles are presented and related to the above problems.

Some of these principles are brought out through the study of such topics as the origin of life, cellular development, comparative animal physiology and an introduction to the principles of ecology. Each topic involves a variety of practical laboratory investigations.

A variety of learning procedures are used in the course and the evaluation of a student's progress is based on daily work, written assignments, tests and examinations.

The student will spend considerable time in the laboratory, and emphasis will be placed on reporting laboratory findings and manipulating quantitative results. A facility with mathematics is helpful in this course.

CHEMISTRY - ADVANCED - PART II

CHE 530

Area of Study: Pure and Applied Science
Prerequisite: CHE 430

After being introduced to the language and basic principles of Chemistry in Part I of this program (CHE 430), the student is exposed to some of the factors which affect chemical reactions. Such topics as equilibrium, reaction kinetics, thermodynamics, and organic chemistry are discussed.

The emphasis on reporting of laboratory work which began in CHE 430 will continue, with a greater level of quality and sophistication expected.

The student is also required to submit a major research project, involving both a search of the literature, and independent laboratory work as part of the requirements for credit.

PHYSICS - AUTO ORIENTED

PHY 32A

Area of Study: Pure and Applied Science
Prerequisite: SCI 220 or SCI 230
Corequisite: A level 3 Mathematics.

This course is designed to develop physics concepts using experiments relating to automobiles, their components and their motions. It will promote understanding of friction, the laws of motion, energy, and the effects of these concepts upon automobile safety. It will also study the properties of fluids and fluid flows used in automobiles. Brief units near the end of the year will give insight into the atom, electronics, radioactivity, and nuclear physics.

PHYSICS - ELECTRICAL ORIENTED

PHY 32E

Area of Study: Pure and Applied Science
Prerequisite: SCI 220 or SCI 230
Corequisite: A level 3 Mathematics.

This course is designed to develop physics concepts using experiments relating to electricity and the nature of matter. It will lead through a history of various models of matter, study the electron nature of the atom and its relation to light and electronics, and then develop a nuclear model of matter. It will then investigate waves and properties that relate to communications. Brief units near the end of the year will study the behaviour of simple motions, energy and the relation to electrical energy.

Emphasis will be upon performing experimental measurements to give insight into the above. Discussion, student project work, seminar presentations and written reports will also be involved. Students will be expected to perform simple calculations.

Students will be evaluated upon class participation, daily work, written reports, tests, and oral presentations.

PHYSICS FOR THIS AGE

PHY 330

Area of Study: Pure and Applied Science
Prerequisite: SCI 230 and a Year Two Mathematics

This course is intended for students who would like a Physics credit, but do not intend to take PHY 530.

It is intended to promote appreciation and understanding of the laws of physics in today's world. Thus it will range through studies of time, mass and space, forces and fields, work and energy, electricity, electronics, the structure of the atom, living in the nuclear age, and the role of physics in everyday life. Other topics may be presented by a seminar approach as they may arise throughout the year. Students will be evaluated on daily participation, work assignments, reporting, seminar and project work, tests and examinations. Throughout, the emphasis will be upon quality of results produced, and diligent student application. If this is lacking, students will be considered for transfer to general level physics following term reports.

Very weak students are better advised to consider PHY 32E or PHY 32A.

MATHEMATICAL PHYSICS

PHY 430

Area of Study: Pure and Applied Science
Prerequisite: SCI 330; good standing in Mathematics, and the student is recommended to take CHE 430 in conjunction with this course.

This course will emphasize the more mathematical nature of physics that follows upon experimentation. It is also intended for students who fully intend to take PHY 530 in the following year.

The course will range through mathematical and graphical analysis of experimental data, vectors, kinematics, dynamics, some concepts pertaining to angular and orbital motions, energy and the universe, vibrations, waves, and sound as an example of a wave phenomenon.

SCIENCE SCI 230

Area of Study: Pure and Applied Science
Prerequisite: High Standing in Grade 9 Science

The intention of this course is to give a student a familiarity with each of the three main areas of science - biology, chemistry, and physics. Various phases of each field are presented in such a fashion as to give not only familiarity but also some basis on which future studies in these fields can be based. On completion of this course the student should be able to choose his future science areas of study with greater clarity.

Students will be evaluated on the basis of daily work, written reports, laboratory techniques, tests and examinations.

THE PHYSICAL SCIENCES SCI 330

Area of Study: Pure and Applied Science
Prerequisite: SCI 230

SCI 330 is intended to be a continuation of topics in chemistry and physics, some of which were begun in SCI 230. It is for students who wish to continue study in the physical sciences and/or plan to take CHE 430/PHY 430.

The chemistry units of SCI 330 will examine the properties of some of the common chemical elements and their compounds through experimental study and also on the basis of their position in the periodic table.

To relate to this, the physics units will examine some physical properties of matter, cover the history of atom model development through the years, and include experiments and text material pertaining to electron and nuclear atom models.

Evaluation in this programme will be based upon laboratory work, written work, seminar presentations, testing and examination results.

Students should be fully prepared to do experiments, report them, analyse them mathematically and then solve problems using the laws derived.

Students will be evaluated on daily participation, work assignments, reports, projects, tests and examinations. A high standard of work and application is expected.

Students who are merely looking for a credit in physics are advised to take PHY 330, PHY 32A or PHY 32E.

PHYSICS PHY 530

Area of Study: Pure and Applied Science
Prerequisite: PHY 430 and Year 4 Mathematics
Corequisite: Year 5 Mathematics

NOTE: This course will satisfy University admission requirements. Recommend good standing in MAT 430 and that students be taking Year 5 Mathematics.

The purpose of the course is to use student experiments to develop scientific models and mathematical relations pertaining to the nature of electromagnetic radiation and matter. It concludes with the concept of wave particle duality applied to a model of the hydrogen atom.

To accomplish this, the course ranges through topics of measurement and analysis techniques, vector kinematics, light, dynamics of matter, electricity and the nature of matter via a quantum approach.

Students will be evaluated on the basis of participation in discussion and experiments, written assignments, experimental analysis and reporting, tests, and the degree of self-sufficiency acquired for thorough and self-initiated work.

SCIENCE SCI 220

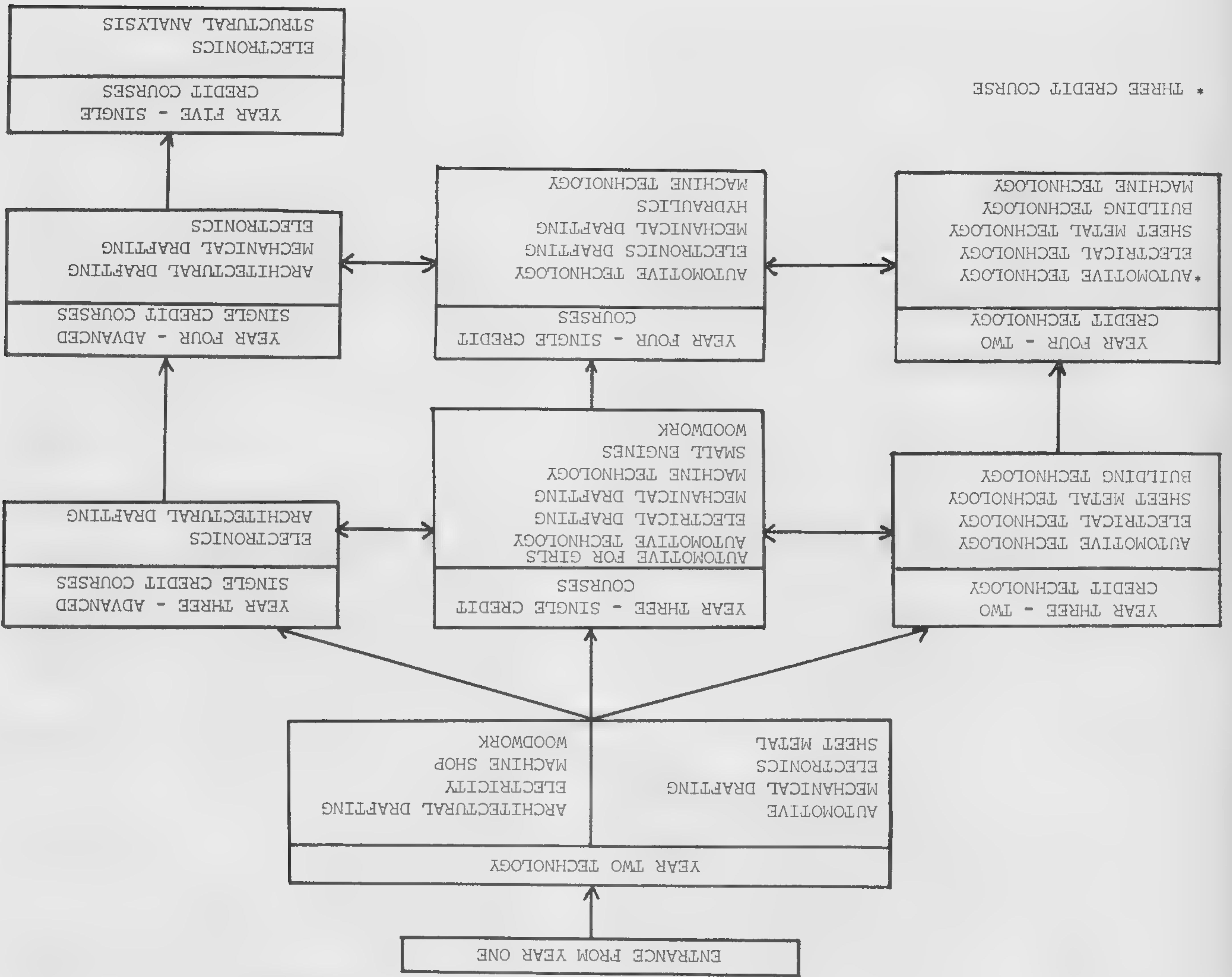
Area of Study: Pure and Applied Science
Prerequisite: None

This course presents to the student a variety of topics in physics, chemistry and biology. Each student is required to complete a minimum number of topics in each of these three areas.

Evaluation is based on daily work, reporting, laboratory skill and testing.

TECHNICAL EDUCATION AT WESTVIEW

The Technical Department at Westview provides all students (male and female) with opportunities to elect courses to suit their needs and interests in preparation for entrance into a highly technical world. Students may wish to sample $\frac{1}{2}$ credit courses in Year Two with the chance of further credits with greater concentration in Years Three and Four, or simply to elect a one credit, no prerequisite course (e.g. AUT 326 Introductory Auto Mechanics for Girls, WOD 320 General Woodworking, etc.) for general interest. Courses are available in the following areas: Automotive, Drafting (Architectural, Electrical, Mechanical), Electricity, Electronics, Machine Shop, Sheet Metal, and Woodwork at the General Level with Electronics, Architectural and Mechanical Drafting also possible at the Advanced Level. Before selection of technical courses is made, students should note that mathematics is a prerequisite for most technical courses.





STUDIES AT WESTVIEW

To allow all students who enter Westview in year two (grade 10) to experience a broad range of technical areas, we offer 8 subjects from which to choose. All of these courses have a credit value of $\frac{1}{2}$ and are taken for half the year on a semester basis. It is on these courses that the foundation for future studies in the technical field is made.

ALL YEAR II (GRADE 10) COURSES MUST BE TAKEN IN PAIRS.

You may take any two or four courses of those offered. We recommend four selections to give all students a broad base on which to build further studies.

AUTOMOTIVE

AUT 220

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course

The course is designed as an introduction to automotive mechanics. It covers the basic power plant and such areas as the braking and ignition systems.

Practical assignments are carefully balanced against theory, homework and tests to offer an interesting course leading to the automotive courses in Third and Fourth year.

ARCHITECTURAL DRAFTING

DRA 22A

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course

This course is designed as an introduction to the principles of drafting and the graphic language in general, and to architectural drafting in particular.

Its step by step, progressive, and simplified procedures cover a span starting with the use of drafting instruments, architectural lettering, drafting geometry, conventional projection principles and dimensioning, to basic architectural detailing, materials and methods, and simple working drawings. This is a $\frac{1}{2}$ credit course and it will be a prerequisite for the Grade 11 architectural drafting course at the advanced level.

MECHANICAL DRAFTING

DRA 220

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course

This course provides a concise and logically planned approach to drafting for those planning to study technical subjects. The purpose is two fold: to provide a skill in the manipulation of drafting equipment; to provide a sound understanding of drafting fundamentals, working drawings, view relationship, pictorial drawing, dimensioning and shop procedures.

ELECTRICITY

ELE 220

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course

This course is centered around housewiring as a means to understanding electrical concepts such as voltage, current and resistance. Along with basic housewiring circuits, students are introduced to series, parallel and combination circuits and the use of meters to investigate circuit characteristics.

When taken together with Electronics ELE 22X this course provides the background for Year III Electrical Technology courses.

ELECTRONICS

ELE 22X

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course
Recommend ELE 220

Basic concepts of electronics are developed using theory and practical approaches. Electronic components and their uses are analyzed in experiments and projects. An introduction to tubes and semiconductor devices will be included within projects such as tube amplifiers and colour light organ circuits.

This course provides the basis for Year III advanced Electronics.

When taken together with Electricity ELE 220 this course provides the background for Year III Electrical Technology courses.

This course, building on the auto mechanics course of the previous year, examines the construction, function and interrelationship of the automotive components and systems in detail. Major areas of instruction are: engine, power transmission, control systems, automotive electrical. An introduction to basic diagnostic work and tune-up will be given. The emphasis of this course is on "Learning-By-Doing" through practical work on running engines and automobiles. This is a two credit course, and will be limited to those students who are considering a career in auto mechanics.

Area of Study: Pure and Applied Science
Prerequisite: AUT 220
Corequisite: Any Year 2 or 3 Mathematics
suggest MAT 32T or MAT 22T

AUT 32P
AUT 32T

This course, building on the auto mechanics course of the previous year, examines the construction, function and interrelationship of the automotive components and systems. Major areas of instruction are: engine, control systems, automotive electrical. An introduction to basic diagnostic work and tune-up will be given. The emphasis of this course is on "Learning-By-Doing" through practical work on running engines and automobiles. This is a one credit course.

Area of Study: Pure and Applied Science
Prerequisite: AUT 220
Corequisite: A Year 2 or 3 Math

AUT 320

The objective of this course is to give a basic understanding of the automobile system. Through a practical approach, the student will be introduced to the various systems, such as the ignition, braking and fuel system of the car. This knowledge will prepare the student to be able to make minor adjustments, - running repairs and to assess the cost of garage work. Students who have credit in AUT 220 are excluded from this course. This is a one credit course.

Area of Study: Pure and Applied Science
Prerequisite: A Year Three Student

INTRODUCTION TO AUTO MECHANICS FOR GIRLS AUT 32G

Evaluation will be based upon written and practical testing. This is a one credit course.

1. Power Head - The Engine
2. Lower Units - The Transmission
3. Electrical - The Ignition and Generator

The mechanical and electrical systems will be discussed and analysed under the three general headings of:

This course is designed for those students interested in outboard motors and small engines used to power motorcycles, lawn mowers, snow-mobles, etc.

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A course in Mathematics
Year Three Student

AUT 32S

A basic course in woodworking using a project designed to teach basic skills. Areas of study covered include: the use and operation of hand and machine tools, joinery, properties of wood, abrasives, and finishing methods. The creative ability and workmanship of the student is stressed.

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course

WOODWORK WOD 220

This course is an introduction of practical application geared to the sheet metal industry. Students will be given the option of project selection and the opportunity to expand creative ability in the use of different metals. Projects will aid in the development of layout, forming joining, use of hand tools, machinery and finishing of projects.

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course

SHEET METAL PRACTICE SHM 220

Individual projects may be included.

A project is used to develop skill in machining and fine measurements while working on the lathe, milling machine, drill press and bench.

This course is designed to introduce the student to basic concepts of Machine Shop practice. It forms the basis of the mechanical technology program.

Area of Study: Pure and Applied Science
Prerequisite: None
Corequisite: A Math Course

MACHINE SHOP PRACTICE MEC 220

MEC 420

MACHINE TECHNOLOGY

Area of Study: Pure and Applied Science
Prerequisite: MEC 320 or Department Approval
Corequisite: Year 3 or 4 Mathematics
Recommend DRA 420

This course is a continuation of the third year course. Advanced theory and further skills in tooling for production and precision work are taught. Additional areas of study include, internal thread cutting of Acme and square threads, dovetail calculations and cutting, precision hole location by means of a digital readout system, and the operation of a hydraulic tracing attachment for lathe work. Individual projects approved by the teacher are encouraged. The graduate of this course might proceed to post secondary education in mechanical studies or seek employment in industry. Evaluation is by regular testing and project marking. This is a one credit course.

MEC 42P
MEC 42T

MACHINE TECHNOLOGY

Area of Study: Pure and Applied Science
Prerequisite: MEC 320
Corequisite: Year 3 or Year 4 Mathematics
Recommend DRA 420

This course is a continuation of the third year course. Advanced theory covering dovetail calculations, helical milling, differential indexing and the co-ordinate locating system which require a good mathematical background are some of the theory lessons taught. Machining methods used in industry today such as Numerical Control and Electrical Discharge machining are studied in the classroom and by means of field trips. By working on more intricate projects the skill of the student is enlarged into the field of surface and cylindrical grinding. Individual projects approved by the teacher are encouraged.

The graduate of this course might proceed to post secondary education or seek employment in the broad field of applied mechanics.

Evaluation is by regular testing and project marking.

This is a two credit course.

ELECTRONICS

ELE 43X

Area of Study: Pure and Applied Science
Prerequisite: ELE 33X
Corequisite: MAT 42T or MAT 430

This course extends the fundamental concepts of Year III Electronics. Experiments in electronic circuitry of semiconductor devices such as diodes, transistor, silicon-controlled rectifier and integrated circuits will be conducted. Building a transistorized radio will constitute the major project in this course.

ELEMENTS OF ELECTRONIC DESIGN

ELE 53X

Area of Study: Pure and Applied Science
Prerequisite: ELE 43X
Corequisite: Year Five Mathematics

Analyzing modern electronic devices forms the basis of this course. Experiments with modern components such as silicon controlled rectifiers, tunnel diodes, and integrated circuits are investigated. Computer circuits are studied through pulse circuits and logic. A project which utilizes the modern devices, is undertaken by the individual student. Complementing this major project will be a technical report and an oral presentation to round out the communicative skills. This is a one credit course.

Note: Pending Ministry Approval.

MACHINE TECHNOLOGY
MEC 320

Area of Study: Pure and Applied Science
Prerequisite: MEC 220 or Department Approval
Corequisite: Year II or Year III Mathematics
Recommend DRA 320

This course enables the student, who has had some previous knowledge of machine shop basics, to develop a greater skill in the use of milling machines and lathes as he builds projects which require a greater degree of accuracy. Precise means of measurement, heat treatment of metals, the study of milling cutters including gear cutting are some of the theory topics which will be analysed. Individual projects approved by the teachers are encouraged.

Evaluation is by regular testing and project marking.

HYDRAULICS	MEC 42H	WOODWORKING	MOD 32A
Area of Study: Pure and Applied Science			
Prerequisite: None			
Corequisite: Year 3 or Year 4 Mathematics			
Designed primarily for Fourth Year Technology students, the course will also appeal to students with a strong technical interest. It covers the study of fluids under pressure in the transmission of power or motion under precise control.			
Basic hydraulics, the operation and maintenance of pumps, motors and controls, are studied by means of a series of laboratory experiments.			
SHEET METAL TECHNOLOGY			
SHM 32P			
SHM 32T			
Area of Study: Pure and Applied Science			
Prerequisite: SHM 220			
Corequisite: Any Year 2 or Year 3 Mathematics			
An introduction into more complex pattern layouts in parallel line, radial line and triangulation. Additional areas of study include welding, duct construction, seams, theory of duct installation, types and manufacture of sheet metal, area and volume calculations. This is a two credit course.			
SHEET METAL TECHNOLOGY			
SHM 42P			
SHM 42T			
Area of Study: Pure and Applied Science			
Prerequisite: SHM 32T and SHM 32P			
Corequisite: Any Year 3 or Year 4 Mathematics			
Suggest MAT 42T or MAT 32T			
More complex pattern layout using parallel, radial and triangulation methods is studied. More advanced welding procedures are practiced. Additional areas of study include: fan installation, louvers, air movement, sizing of duct trunks, roofing, estimating, precision sheet metal calculations, and blue print reading. This is a two credit course.			
WOODWORKING			
MOD 320			
Area of Study: Pure and Applied Science			
Arts			
Prerequisite: A Year Three Student			
A general cabinet making course for the student who desires a knowledge of simple cabinet design and construction. The areas of study include: the operation and use of machine and hand tools, joinery, adhesives, abrasives, finishing methods. Individual creativity is stressed. This is a one credit course.			
This is a two credit course.			
BUILDING TECHNOLOGY			
MOD 42P			
MOD 42T			
Area of Study: Pure and Applied Science			
Prerequisite: WOD 32T and WOD 32P			
Corequisite: Any Year 3 or Year 4 Mathematics			
Suggest MAT 42T or MAT 32T			
Continuation of the Year Three Building Construction Technology course which covers the interior finishing of a residential building. Practical work areas include a knowledge of stair layout and construction, manufacture and types of window frames and sash, manufacture and installation of cabinets, wall coverings, roof trusses for prefabricated buildings and general carpentry work.			
This is a two credit course.			
BUILDING TECHNOLOGY			
MOD 32P			
MOD 32T			
Area of Study: Pure and Applied Science			
Prerequisite: WOD 220			
Corequisite: Any Year 2 or Year 3 Mathematics			
Suggest MAT 22T or MAT 32T			
A two credit course covering the work involved in the construction of a residential building from the planning stage to the erection of the unit.			
Practical areas of work include: simulated lot layout and foundation work, fullsize sections of floors, walls and without openings, roofing, sheathing, outside finishing, materials and methods.			
BUILDING TECHNOLOGY			
MOD 32P			
MOD 32T			
Area of Study: Pure and Applied Science			
Prerequisite: WOD 220			
Corequisite: Any Year 2 or Year 3 Mathematics			
Suggest MAT 22T or MAT 32T			
A cabinet-making course for the student who wishes to construct a piece of furniture using the skills obtained in previous wood-working courses for background.			
Areas of study include: design, complex joinery, drawer and cabinet construction, cabinet hardware, wood structure and selection of woods, advanced finishing methods and processes.			
Individual creativity is stressed.			

THE PRINT I - APPLICATION

Area of Study: Arts
Prerequisite: ART 230 or ART 320
plus Department Approval

This course will examine "the present" =

photography and related serigraphy (lithography) printing) both in classroom and darkroom situations. Basic understanding of the elements of design, composition and visual decision making will be developed through exercises in explorations in camera work, image selection, darkroom techniques, silkscreen printing process applications of the photograph to art, illustration, advertising and journalism. History of the role of the photographic images and photographs will be an integral part of the course. Therefore, students will be encouraged to serigraphy as well as related written and verbal assignments.

APPLIED HISTORICAL METHODS AND MEDIA

Area of Study: KITS
Prerequisite: None

This course is open to students in years 4 and 5.

Little or no art experience is required. Definite interest is essential.

Visual Arts 420 is a unit designed to allow any student with an interest in artistic creation to not only be exposed to the historical aspects of art production and how it relates to contemporary times, but primarily to the problems of actually creating a piece of artwork by examining the methods and media used in specific periods from Egyptian times to present. Students will therefore be asked to do a small piece of work *therefore be asked to do a small piece of work* and media recipes for each technique and media recipes for each technique (e.g. Roman Fresco, Egg Tempera, Impasto, etc.). Students will be evaluated using the period studied (e.g. students will be evaluated through their artwork, research work, seminar contributions, interviews, tests, classwork and books.

1. Students desiring confident drawing skills.
2. Architectural and Drafting students.
3. Students requiring applied drawing skills (e.g. geography students, fashion students, etc.).
4. Students seeking enlightenment in the Visual Arts.
5. Students planning a career where drawing is an asset (e.g. draftsman, fashion illustrator, architect, etc.)

Visual Arts 320 is a unit of artistic endeavour where time allows the development of assured drawing/rendering skills and introductory painting approaches. Basic drawing and design as well as the techniques of pencil, chalk, various pens, ink, wash, mixed media, and experimental tools (2D) (media) will be discussed.

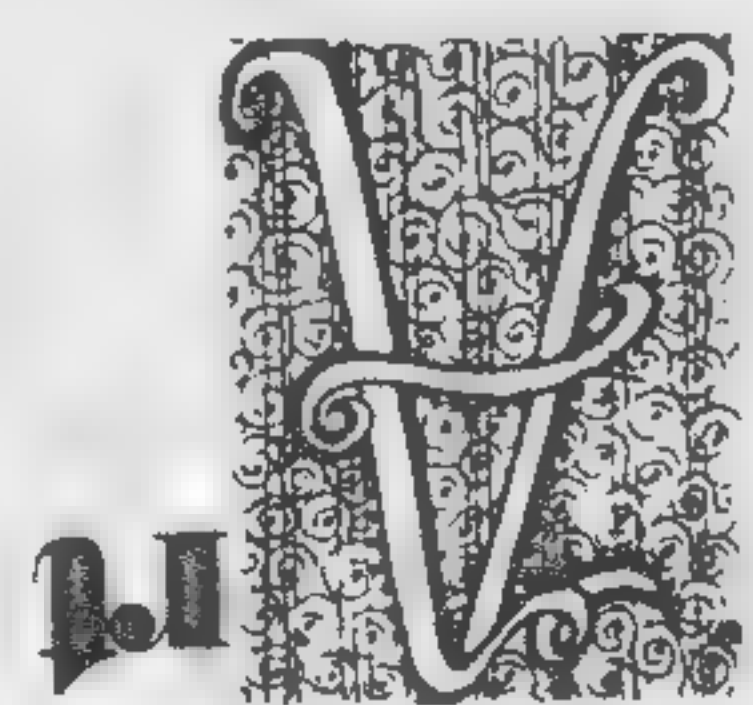
as the techniques, mixed media, and two-dimensional space. Ink, wash, and explore two-dimensional space. and creative in its approach. surfaces, and

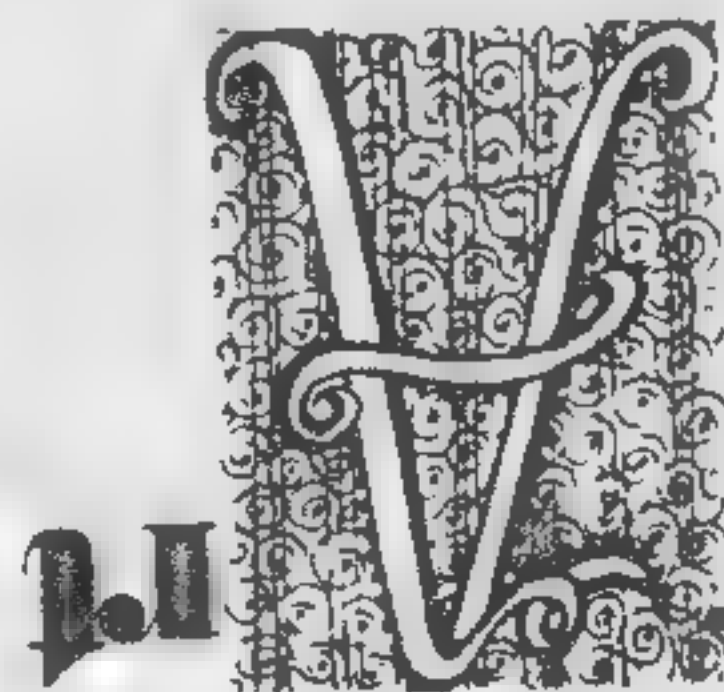
This course is open to students in years 3, 4 and 5.

Area of Study: Arts
Prerequisite: None

TWO-DIMENSIONAL EXPLORATIONS

ALL GRADE 10 COURSES ARE DESCRIBED IN DETAIL
ON PAGE 52.





ALL GRADE 10 COURSES ARE DESCRIBED IN DETAIL
ON PAGE 52.

TWO-DIMENSIONAL EXPLORATIONS

VIS 320

Area of Study: Arts
Prerequisite: None

This course is open to students in years 3, 4 and 5.

The course is designed for:

1. Students desiring confident drawing skills.
2. Architectural and Drafting students.
3. Students requiring applied drawing skills (e.g. geography students, fashion students, etc.).
4. Students seeking enrichment in the Visual Arts.
5. Students planning a career where drawing is an asset (e.g. draftsman, fashion illustrator, architect, etc.).

Visual Arts 320 is a unit of artistic endeavour where time allows the development of assured drawing/rendering skills and introductory painting approaches. Basic drawing skills in line, tone, texture, colour and design as well as the techniques of pencil, chalk, various pens, ink, wash, mixed media, and experimental tools are used to explore two-dimensional space. This course is technical and creative in its approach. Subject matter, size of work, surfaces, and length of assignment will be highly varied in order to explore as many possibilities as time permits.

INTERMEDIATE ART

VIS 330

Area of Study: Arts
Prerequisite: Recommend ART 230

Students may select both VIS 320 and VIS 330.

This is an intermediate course in Art which expands the ideas, techniques and media of ART 230. Considerable time is spent examining the figure, acrylic painting techniques and clay sculpture. * Students planning to take VIS 530 should take VIS 330 and VIS 430.

THE PRINT I - APPLICATION

VIS 33P

Area of Study: Arts
Prerequisite: ART 230 or ART 320
plus Department Approval

This course will examine "the print" in photography and related serigraphy (silkscreen printing) both in classroom and darkroom situations. Basic understanding of the elements of design, composition and visual decision making will be developed through exercises and explorations in camera work, image selections, darkroom techniques, silkscreen printing processes, applications of the photograph to art, illustration, advertising and journalism. Awareness of the role of the photographic images and of photographers will be an integral part of the course. Therefore, students will be involved in practice areas of design, photography, serigraphy as well as related written and verbal assignments.

APPLIED HISTORICAL METHODS AND MEDIA

VIS 420

Area of Study: Arts
Prerequisite: None

This course is open to students in years 3, 4 and 5.

Background from History 320 or History 330 would be a decided advantage.

Little or no art experience is required. Definite interest is essential.

Visual Arts 420 is a unit designed to allow any student with an interest in artistic creation to not only be exposed to the historical aspects of art production and how it relates to contemporary times, but primarily to the problems of actually creating a piece of artwork by examining the methods and media used in specific periods from Egyptian times to present. Students will therefore be asked to do a small piece of work using the techniques and media recipes for each period studied (e.g. Roman Fresco, Egg Tempera, Impasto, etc.). Students will be evaluated through their artwork, research work, seminar presentations, interviews, tests, classwork and student resource books.

SENIOR ART

VIS 430

Area of Study: Arts
Prerequisite: Recommend ART 330

This is a senior course in Art that heavily relies on development in ART 230 and 330. Large portions of time are spent exploring shape and space in two and three dimensional work. Exercises and design projects in drawing, painting, sculpture and wall-hangings are used. Emphasis is placed upon rich ideas, quality techniques, and presentations.

FOUNDATION ART - DRAWING & PAINTING VIS 230

Area of Study: Arts
Prerequisite: None
Corequisite: None

This course is offered as an introduction to the study of art in the secondary school. Students will assemble a portfolio that will display their abilities in the following topics, techniques and subject areas:

- line, tone, texture, shape, colour, composition, perspective
- pencil, pen and ink, wash, painting
- geometric and organic forms, still life, the head, architecture and basic lettering.

FOUNDATION ART - PRINTMAKING & SCULPTURE VIS 231

Area of Study: Arts
Prerequisite: None
Corequisite: VIS 230

Students selecting VIS 231 should be strong visual arts students seeking broader and more enriched artistic experiences.

Consultation and approval with the visual arts or counselling teachers in the Junior High School is required before registering in this program.

VIS 231 will be a developmental course dealing with the concepts and techniques listed below:

Printmaking - rubbing Sculpture - relief
relief blocks stencil
3D form wire, wood clay, plaster

Also included will be an examination of the relationships involving naturalism, abstraction and non-objective images in art styles.

THE PRINT II VIS 43P

Area of Study: Arts
Prerequisite: VIS 33P
Corequisite: Recommend at least one Grade 12 art course (VIS 420 or VIS 430)

This course expands the content and experiences of VIS 33P. Students will work intensively in the production of prints produced from camera darkroom situations, from photo-silkscreen activities and from explorations of innovative techniques. Theory and appreciation will be developed through discussion, written assignments, notebooks, gallery visits and so on. Stress will be placed on developing a personal series of print-images with a sound understanding of ideas, techniques and aesthetics.

ADVANCED ART VIS 530

Area of Study: Arts
Prerequisite: VIS 430
Corequisite: Recommend VIS 320, VIS 33P, VIS 420, and VIS 43P as further enrichment.

This is an advanced course in Art which allows the student who achieved proficiency in VIS 430 to explore more personal aspects and interpretations of artistic statements. This is done through written assignments, student presentations, practical exercises leading to major personal art work and through class interaction. Some time will be given to discussions of post-secondary opportunities in the visual arts and collating of a portfolio.

SUMMER SCHOOL 1978

ON-CAMPUS CREDIT COURSES

Credits to be offered (subject to some possible changes)

1. Business Education 10-13	- Typing - Office Procedures - Accounting	6. History 9-13 - Man in Society 11 - Economics 13 - Men and Women in a Changing Society 11	9. Moderns 9-13 - French - Italian - Spanish
2. English 9-13		7. Mathematics 9-13 - Functions 13 - Calculus 13 - Algebra 13	10. Science 9-13 - Physics - Chemistry - Biology
3. Enrichment Reading 11		8. Co-operative Training - Automotive Technology 10 - Retailing-Distributive Education 12 - Office Procedures 12	11. Physical and Health Education 11-12
4. Family Studies 13			12. Visual Arts 10-12
5. Geography 9-13	- Urban 12 - Regional 12		

GRADES 9-13, JULY 4 - AUGUST 11

Grades 10-13 Sessions:
1 Credit 8:30 a.m. to 12:30 p.m. or 1:00 p.m. to 5:00 p.m.
1 Credit 8:30 a.m. to 10:30 a.m. or 10:30 a.m. to 12:30 p.m.

LOCATIONS

Grades 10-13:

Westview Centennial Secondary School
Northview Heights Secondary School
Georges Vanier Secondary School
Woodbine Junior High School
Downsview Secondary School

Grade 9 Remedial:

OFF-CAMPUS CREDITS

1. French Immersion Course, Dijon, France, 6 weeks, Senior French Credit
2. Fascinating World of the Greeks and Romans, Italy and Greece, 5 weeks, Senior History Credit
3. The Best of Britain, England, Wales and Scotland, 5 weeks, Senior English Literature Credit
4. Archaeological Field Studies, Boyd Centre, Woodbridge, Senior Canadian Studies Credit
5. Young Film Makers, Saranac Annex, Senior Communications Credit

ENRICHMENT COURSES - NON-CREDIT

1. HONOUR MATHEMATICS AND SCIENCE SCHOLARSHIP, JULY 4 - JULY 21
2. Physical and Health Education Leadership, July 4 - July 14
3. Summer Studio '78, Visual Arts, July 4 - July 28
4. Summer Music School, July 31 - August 12

SPECIAL EDUCATION COURSES - NON-CREDIT

1. Language Development Summer School (Junior High - ESL, ESD, Reading), July 4 - August 4
2. English as a Second Language, Secondary, July 4 - August 4

For further information concerning the above courses,
contact the Summer School Office (221-9331)

contact the SUMMER SCHOOL OFFICE

SUMMER SCHOOL 1978

ON-CAMPUS CREDIT COURSES

Credits to be offered (subject to some possible changes)

1. Business Education 10-13	- Typing - Office Procedures - Accounting	2. English 9-13	3. Enrichment Reading 11	4. Family Studies 13	5. Geography 9-13 - Urban 12 - Regional 12
6. History 9-13	- Man in Society 11 - Economics 13 - Men and Women in a Changing Society 11	7. Mathematics 9-13	- Functions 13 - Calculus 13 - Algebra 13	8. Co-operative Training - Automotive Technology 10 - Retailing-Distributive Education 12	12. Visual Arts 10-12
9. Moderns 9-13	- French - Italian - Spanish	10. Science 9-13	- Physics - Chemistry - Biology	11. Physical and Health Education 11-12	

LOCATIONS

Grades 10-13 Sessions: 1 Credit 8:30 a.m. to 12:30 p.m. or 1:00 p.m. to 5:00 p.m.
Grade 9 Remedial: 1 Credit 8:30 a.m. to 10:30 a.m. or 10:30 a.m. to 12:30 p.m.

Westview Centennial Secondary School
Northview Heights Secondary School
Georges Vanier Secondary School
Woodbine Junior High School
Downsview Secondary School

OFF-CAMPUS CREDITS

1. French Immersion Course, Dijon, France, 6 weeks, Senior French Credit
2. Fascinating World of the Greeks and Romans, Italy and Greece, 5 weeks, Senior History Credit
3. The Best of Britain, England, Wales and Scotland, 5 weeks, Senior English Literature Credit
4. Archaeological Field Studies, Boyd Centre, Woodbridge, Senior Communications Credit
5. Young Film Makers, Saranac Annex, Senior Communications Credit

ENRICHMENT COURSES - NON-CREDIT

1. Honour Mathematics and Science Scholarship, July 4 - July 21
2. Physical and Health Education Leadership, July 4 - July 14
3. Summer Studio '78, Visual Arts, July 4 - July 28
4. Summer Music School, July 31 - August 12

SPECIAL EDUCATION COURSES - NON-CREDIT

1. Language Development Summer School (Junior High - ESL, ESD, Reading), July 4 - August 4
2. English as a Second Language, Secondary, July 4 - August 4

For further information concerning the above courses, contact the Summer School Office (221-9331)



CO-OPERATIVE EDUCATION PROGRAMS
225-4661, EXT. 277

SENIOR SECONDARY SCHOOL STUDENTS WHO HAVE BEEN RECOMMENDED BY
THE PRINCIPAL, DEPARTMENT HEAD, TEACHER OR COUNSELLOR OF THEIR
SCHOOL,
FOR FURTHER INFORMATION AND LITERATURE:
SEE YOUR GUIDANCE COUNSELLOR OR CALL:

WHO IS ELIGIBLE?

AT ANYTIME DURING THE YEAR

CO-OPERATIVE TRAINING	WORK ON AN APPROVED WORK PROGRAM WHICH COULD MAKE YOU ELIGIBLE FOR A SECONDARY SCHOOL SUBJECT CREDIT.
JOB PLACEMENT	JOB INFORMATION IS PROVIDED IN CO-OPERATION WITH YOUR SCHOOL GUIDANCE OFFICE.
WORK STUDY/WORK EXPERIENCE	INVESTIGATE, INQUIRE, AND EXPERIENCE AN OCCUPATION OR CAREER OF YOUR CHOICE BY SPENDING UP TO TWO WEEKS IN THE BUSINESS OR INDUSTRIAL WORLD.
CAREER ORIENTATION	SPEND A WEEK AND INVESTIGATE, INQUIRE AND EXPERIENCE A COLLEGE OR UNIVERSITY ENVIRONMENT.

REGISTER IN ONE OF THE FOLLOWING PROGRAMS -

HOW?

- THE EXCITING COMPETENT PROFESSIONALS
OF BUSINESS AND INDUSTRY WITHIN YOUR
COMMUNITY.

MEET

- THE WORK DAY WORLD,

TRY

- THE SOCIAL AND ECONOMIC ENVIRONMENT,

EXPERIENCE

- A CAREER OR OCCUPATION OF YOUR CHOICE,

SEE

REACH OUT

CO-OPERATIVE EDUCATION PROGRAMS



INDEX

Accounting	9, 10
Art	51, 52
Auto Shop	45, 46, 47
Biology	41, 43
Chemistry	41, 42, 43
Data Processing	9, 10
Drafting	45, 47, 48
Economics	25
Electricity	45, 48, 49
English	14, 15, 16
Family Studies	18, 19
French	26, 27
Geography	20, 21, 22
History	23, 24, 25
Italian	27, 28
Latin	28, 29
Law	10, 11
Machine Shop	46, 49
Man In Society	24
Marketing	11
Mathematics	30, 31, 32, 33, 34
Music	35, 36, 37
Office Procedures	12, 13
Physical and Health Education	38, 39
Physics	40, 42, 43
Politics	24, 25
Science	40, 43
Sheet Metal Shop	46, 50
Shorthand	13
Technical Education (Chart)	44
Typing	11, 12, 13
Theatre Arts	16, 17
Urban Studies	21
Wood Shop	46, 50
World Religions	24

THE BOARD OF EDUCATION FOR THE BOROUGH OF NORTH YORK

DESIGN BY/MARY

WESTVIEW CENTENNIAL
SECONDARY SCHOOL

STUDENT CALENDAR 1977/78

TABLE OF CONTENTS

1. INTRODUCTION	1
- Terminology	2
- Number of Credits	2
- Selecting Your Program	2
- Changing Your Timetable	3
2. COURSES OFFERED AT WESTVIEW	4
3. PERSONAL PROGRAM PLANNING SHEET	5
4. DESTINATIONS AND DIRECTIONS	6
5. COURSE DESCRIPTIONS	7
- Art	7
- Business Education	8
- English and Theatre Arts	12
- Family Studies	15
- Geography	17
- History	18
- Languages	21
- Mathematics	24
- Music	28
- Physical and Health Education	30
- Science	31
- Technical	35
6. SUMMER SCHOOL	41
7. WORK STUDY	41
8. INDEX	42

Page 1

PRINCIPAL: A.F. BELL, B.P.H.E., B.Ed.
 VICE PRINCIPALS: E.H. FORS, B.A., M.Ed.
 W.H. MADDEN, B.A., B.P.H.E., B.Ed.
 R.N. RIDGWAY, B.A.



WESTVIEW CENTENNIAL SECONDARY SCHOOL
 755 OAKDALE RD. DOWNSVIEW 743-7001

INTRODUCTION

Westview is a large secondary school offering a wide variety of programs to fulfill the diverse educational needs of our community. We have grown from a student body of five hundred in 1967 to our present enrolment of two thousand five hundred. Today you, the student, may meet your program requirements by choosing from over two hundred courses that are offered. As an individual at Westview you will find a wide range of educational, recreational and counselling services available to you - and you are invited to use them to your advantage. The following pages contain information that is designed to help you make wise choices about your educational future. It contains information about your new school, the credit system and the many courses that you will be able to choose. Read it carefully and choose wisely.

TERMINOLOGY

The following terms and definitions will help you to understand this calendar and your new school.

A CREDIT

A credit is granted in recognition of successful completion of a year of study in a subject - usually 110 to 120 hours of scheduled time.

CREDIT SYSTEM

The credit system is a method of granting a credit for each subject passed. It permits a flexible method of timetabling that allows the student to choose various courses from the four areas of study and different levels of difficulty that meet his interests and abilities.

AREAS OF STUDY

Subjects have been placed in the areas of study according to the direction of the Ontario Ministry of Education. This insures that students will receive a broad background and protects against specialization at too early a stage in their education. Credits are classified into the following four areas: Communications, Social and Environmental Studies, Pure and Applied Sciences, and Arts.

S.S.G.D.

The Secondary School Graduation Diploma may be obtained after successful completion of a minimum of twenty-seven credits chosen from Year One to Year Four. Students are required to take at least three credits in each of the four Areas of Study from Year One to Year Four, and also to take at least four courses designated as English studies, and at least two courses designated as Canadian studies.

S.S.H.G.D.

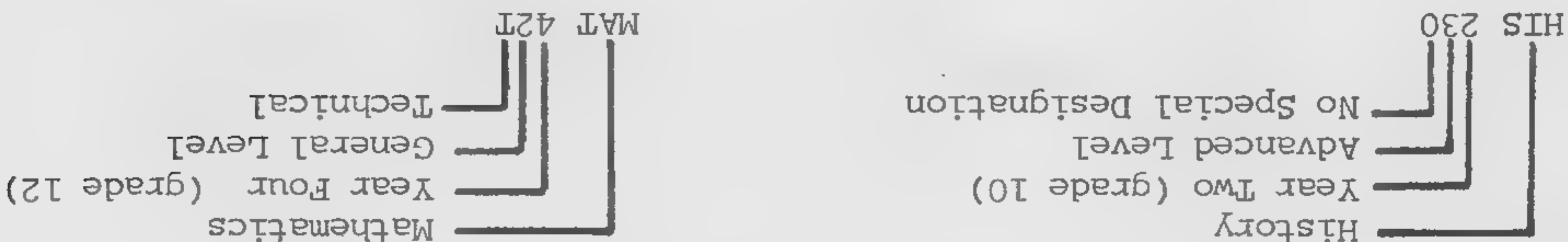
The Secondary School Honour Graduation Diploma will be awarded to students who successfully complete at least six credits at the Year Five Level.

LEVELS OF INSTRUCTION

Basic Level	(1) -	Leads only to the S.S.G.D.
General Level	(2) -	Leads only to the S.S.G.D.
Advanced Level	(3) -	Leads to S.S.G.D. and then to an S.S.H.G.D.
Enriched Level	(4) -	Similar to advanced level but involving greater depth of study

COURSE CODES

All courses are coded as follows:



YOU SHOULD KNOW

1. NUMBER OF CREDITS:

Year One students (grade 9) all take EIGHT credits.
Year Two students (grade 10) all take a minimum of SEVEN credits and may take EIGHT credits.
Year Three students (grade 11) normally take SEVEN credits.
Year Four students (grade 12) take at least SIX credits or enough to complete their S.S.G.D. requirements.

2. SELECTING YOUR PROGRAM

- On page 4, there is a summary of all the courses offered at Westview* which lead to an S.S.G.D. The courses are listed by Area of Study at each level.
1. Students should plan their Secondary School program from their graduating year back to their initial year. Simply, if you have plans to attend University or Community College, find out the necessary requirements for admission and plan your program from Year I or II to graduation; or, if you plan to enter a Technology, find out what is necessary for you to attain this goal.
 2. To comply with diploma requirements it is strongly recommended that you take an English studies course in Years 1, 2, 3 and 4.
 3. The distinction between years of study is not hard and fast. For instance, if you are going into Year 3, you are not just restricted to Year 3 courses.
 4. The following is an excerpt from the Ministry of Education's Secondary School Diploma Requirements: "Each student should be advised of the importance of certain national priorities in education, including, for example, physical fitness, an understanding and appreciation of both the English and French languages, and an awareness of Canada's heritage."
 5. Seek advice. Consult parents, teachers, and Guidance Counsellors for their assistance in planning a program that is best suited for you. The final decision in course selection belongs to you and your parents.

SPECIAL NOTE

We have listed prerequisite or corequisite courses whenever we feel that the skills and knowledge are necessary for success in a subsequent or related course. You are strongly urged to follow them. If you do not have the recommended background, there is a high probability that you will not be successful in these subsequent or related courses. The Ministry of Education accepts prerequisites as recommendations only.

*PLEASE NOTE: The courses of the Basic Level Program are explained in the Basic Level Calendar.

3. CHANGING YOUR PROGRAM

Give very careful consideration to your course requests NOW. If you wish to change your course requests, any time between February and the end of the school year in June, see your School Counsellor and your course requests will be changed.

AS A RESULT OF THE FINAL REPORT, IF ANY CHANGES ARE NECESSARY, THEY MUST BE MADE BY JULY 8, 1977.

You are not expected to change your program and you should realize that once the school year has commenced this is usually very difficult to do. Therefore it is of extreme importance that you choose your program wisely.

4. LEARNING RESOURCE CENTRE

Hours - 8:30 - 4:00 p.m. Students may come at any time during these hours.

This area may be used at any time by students wishing to work in a quiet area. It is also used by classes for project work. For those wishing to read, there is a comfortable silent reading area and two seminar rooms are available for group discussions and viewing purposes.

The collection consists of over 21,000 books as well as a large amount of audio-visual items which support both the curricular and recreational needs of the school; the emphasis being on supportive curricular materials. A teletypewriter link with C.W. Jefferys and the York Woods Public Library enables students to make use of their collections as well. A daily

courier ensures quick service.

The Resource Centre subscribes to a wide range of periodicals and newspapers. There is, too, an extensive collection of articles, pamphlets and clippings on topics of current interest. A "where to look" file is maintained on little known or hard to locate topics. A list of recent Canadian fiction can also be found in the card catalogue.

All materials are loaned out, except for current issues of periodicals. Loan periods are on either a two week or overnight basis.

To help students in organizing and selecting projects and materials, topic sheets and fact sheets are available upon request at the desk.

COURSES OFFERED AT WESTVIEW LEADING TO AN S.S.G.D.

- NOTE:
1. For Basic level Year 1 and 2 see the separate calendar booklet.
 2. All course offerings are subject to a minimum student enrollment.
 3. Half-credit courses are designated with an asterisk*.
 4. Courses designated with a bracket [] must be taken together in the same year.
 5. (e) indicates English studies - (c) indicates Canadian studies.

YEAR	COMMUNICATIONS	SOCIAL AND ENVIRONMENTAL STUDIES	PURE AND APPLIED SCIENCES	ARTS
TWO	CST 22P ENG 219(e) ENG 22R(e) ENG 220(e) ENG 230(e) ENG 240(e) ESL 225(e) TYP 23B TYP 22R TYP 22P TYP 22B SEC 22H LAT 230 ITA 24E FAM 220 FAM 230	FAM 220 FAM 230 GEO 220(c) GEO 230(c) HIS 220(c) HIS 230(c) LAT 230	ACC 220 ACC 321 AUT 220 DRA 22A DRA 220 *ELE 220 ELE 22X FAM 220 FAM 230 MAT 219 MAT 220	MUS 23C MUS 23N MUS 23W PHE 23G PHE 23B THA 220 VIS 230
THREE	CST 32P CST 33M ITA 34E LAT 330 MKT 32M SEC 32B(e) SEC 32H SEC 33B(e) TYP 32P ITA 320 FRE 330 FRE 320 ENG 340(e) ENG 330(e) LAT 330 ENG 320(e) CST 33M	ACC 32M(c) FAM 320(c) *FAM 33T *FAM 33M GEO 320(c) GEO 330(c) GEO 33E HIS 320 HIS 330 HIS 32P(c) LAT 330 MIS 320(c) MKT 32M PHE 33G PHE 33B	ACC 32A ACC 32B MAT 330 MAT 340 MEC 320 PHY 32A PHY 32E PHY 330 SCI 330 BIO 320 BIO 330 CST 33M DRA 320 DRA 33A ELE 32P ELE 32T ELE 33X FAM 32B GEO 330 MAT 320 MAT 32A	DRA 320 DRA 33A ELE 320 FAM 320 *FAM 33M *FAM 33T MUS 32C MUS 33C MUS 33N MUS 33S MUS 33W PHE 33G PHE 33B THA 320 THA 32V VIS 320 VIS 330 VIS 33P WOD 32A WOD 32A
FOUR	CST 42P ENG 420(e) ENG 430(e) FRE 430 ITA 43B ITA 430 SEC 42C(e) SEC 42B(e) LAT 43L(c) LAT 42L(c) LAT 430 ITA 44E	ECO 420(c) +FAM 420 *FAM 43F *FAM 43H GEO 420(c) GEO 430 GEO 43U(c) HIS 420 HIS 42P HIS 42R HIS 430 HIS 43L(c) LAW 42L(c) LAW 43L(c) MKT 42C PHE 43G PHE 43B	ACC 42A ACC 43K ACC 43F AUT 42E AUT 42P AUT 42T MAT 42P MAT 430 MAT 440 MEC 42H MEC 42P MEC 42T PHY 430 SHM 42P SHM 42T WOD 42P WOD 42T	DRA 420 DRA 43A DRA 43M ELE 420 *FAM 43F *FAM 43H MUS 43C MUS 43N MUS 43S MUS 43W PHE 43G PHE 43B THA 420 VIS 420 VIS 430

Plan Your Work - Work Your Plan

To fulfill my goal, I need to take:

YEAR	1	2	3	4	Total S.S.G.D.	5
CREDITS						

DESTINATIONS AND DIRECTIONS

The Credit System has put a great deal more pressure on students and parents to select appropriate courses. The selection of courses must be made wisely and with relation to the student's ability, aptitudes and post-secondary plans. The purpose of this portion of the Calendar is to deal with post-secondary plans, and the following questions for which you should seek answers.

"What is my goal when I leave Westview?"

"Am I capable of reaching my goal?"

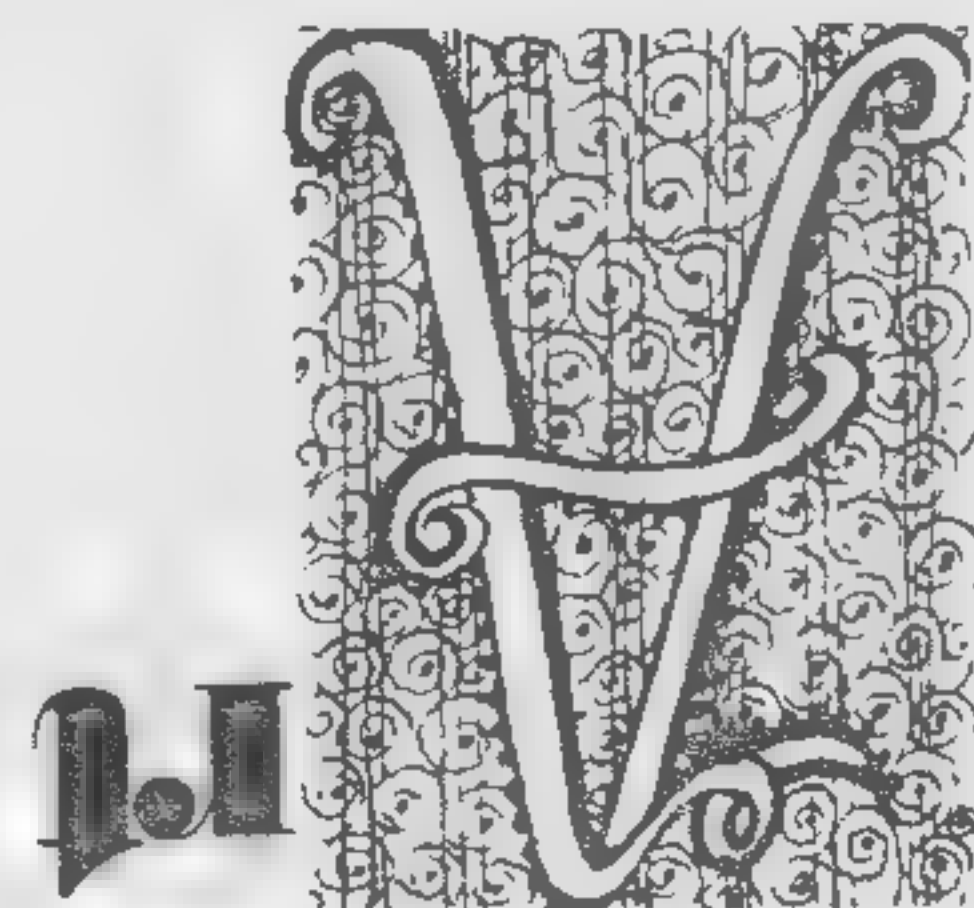
"How can Westview help me in obtaining my goal?"

"What information do I need about my goal?"

The Counseling Department at Westview can provide you with some answers to the above questions. Counseling Services can assist you in the wide selection of your courses and also give you the necessary information for you post-secondary school plans. Your counselors can provide you with the help and tools to reach wise decisions in career choices and educational plans.

Due to the mushrooming of new job titles and post-secondary institutions it is impossible to be aware of all the opportunities available to you, or the requirements necessary. The Counseling Services Department has access to much of this information and will be more than willing to assist you.

TO EARN ADMISSION TO	REQUIREMENTS
Colleges of Applied Arts and Technology (C.A.A.T.)	<ul style="list-style-type: none"> - One/Two Year "Certificate" Courses require an S.S.G.D. - Three Year "Diploma" Courses require an S.S.G.D. (some courses have specific prerequisites, and minimum mark requirements)
Ryerson Polytechnical Institute	<p>MINIMUM: S.S.G.D. - 60% (advanced level courses)</p> <ul style="list-style-type: none"> - 70% (general level courses) - certain courses may have specific subject requirements - may require an interview, test or portfolio <p>Several courses require an S.S.H.G.D.</p>
University (Ontario)	<ul style="list-style-type: none"> - S.S.H.G.D. (60% minimum average) - Year 5 prerequisites for specific courses as prescribed by individual university
Nursing	<ul style="list-style-type: none"> - DEGREE COURSES - S.S.H.G.D. - Chemistry required; may need English, Mathematics, Biology or Physics - AFFILIATED with C.A.A.T.'s NURSING SCHOOLS
Apprenticeships	<p>MINIMUM: Year 2 (Although most trades recommend and give credit for S.S.G.D.)</p>



FOUNDATION ART

VIS 230

Area of Study: Arts
Prerequisite: None

A beginning course in Art for Year One and Year Two students covering basic skills needed for further study. Line, tone, colour, composition and form are used to work on ideas and techniques in drawing, painting, printmaking and sculpture.

TWO-DIMENSIONAL EXPLORATIONS

VIS 320

Area of Study: Arts
Prerequisite: None

This course is open to students in years 3, 4 and 5.

The course is designed for:

1. Students desiring confident drawing skills.
2. Architectural and Drafting students.
3. Students requiring applied drawing skills (eg. geography students, fashion students, etc.)
4. Students seeking enrichment in the Visual Arts.
5. Students planning a career where drawing is an asset (eg. draftsman, fashion illustrator, architect, etc.)

Visual Arts 320 is a unit of artistic endeavour

where time allows the development of assured drawing/rendering skills and introductory painting approaches. Basic drawing skills in line, tone, texture, colour and design as well as the techniques of pencil, chalk, various pens, ink, wash, mixed media, and experimental tools are used to explore two-dimensional space. This course is technical and creative in its approach. Subject matter, size of work, surfaces, and length of assignment will be highly varied in order to explore as many possibilities as time permits.

INTERMEDIATE ART

VIS 330

Area of Study: Arts
Prerequisite: Recommend ART 230

Students may select both VIS 320 and VIS 330.

This is an intermediate course in Art which expands the ideas, techniques and media of ART 230. Considerable time is spent examining the figure, acrylic painting techniques and clay sculpture.

APPLIED HISTORICAL METHODS AND MEDIA

VIS 420

Area of Study: Arts
Prerequisite: None

This course is open to students in years 3, 4 and 5.

Background from History 320 or History 330

Little or no art experience is required.

Definite interest is essential.

Visual Arts 420 is a unit designed to allow

any student with an interest in artistic creation to not only be exposed to the historical aspects of art production and how it relates to contemporary times, but primarily to the problems of actually creating a piece of artwork by examining the methods and media used in specific periods from Egyptian times to present. Students will therefore be asked to do a small piece of work using the techniques and media recipes for each period studied (eg. Roman Fresco, Egg Tempera, Impasto etc.).

Students will be evaluated through their artwork, research work, seminar presentations, interviews, tests, classwork and student resource books.

SENIOR ART

VIS430

Area of Study: Arts
Prerequisite: Recommend ART 330

Students may select both VIS 420 and VIS 430.

This is a senior course in Art that heavily

relies on development in ART 230 and 330. Large portions of time are spent exploring space in two and three dimensional work. Exercises and projects in drawing, painting, sculpture and wall-hangings are used. Emphasis is placed upon rich ideas, quality techniques, and presentation.

ADVANCED ART

VIS 530

Area of Study: Arts

Prerequisite: ART 430 - Recommend both ART 320 and ART 420 as further enrichment.

This is an advanced course in Art which allows a student who achieved proficiency in ART 430 to explore more personal aspects of the question, "What is Art?" Exercises and curriculum work are used to lead up to final practical thesis.

THE PRINT - APPLICATIONS

VIS 33P

Area of Study: Arts

Prerequisite: ART 230

or ART 320 (or take VIS 320 at the same time)

or ENG Media Course plus signature approval of Department Head

This course will examine "the print" in photography and related serigraphy (silkscreen printing) both in classroom and darkroom situations. Basic understanding of the elements of design, composition and visual decision making will be developed through exercises and explorations in camera work, image selections, darkroom techniques, silkscreen printing processes,



THE PRINT - APPLICATIONS
VIS 33P
ACCOUNTING
ACC 32B

Today, when electronic calculators are found in all types of occupations from the local machine shop to the large corporation, every student should understand the basic operations of the calculator. During the year, you will learn how to use them, and practise your skill on everyday operations met at home and at work such as, invoicing, payroll, interest, and some scientific calculations.

Area of Study: Pure and Applied Science
Prerequisite: None

NOTE: 1. This course should be chosen only by a level three (Grade 11) or level four (Grade 12) student.
2. Students who have taken ACC 321 can not take this course.
3. Knowledge of mathematics at advanced level two would be beneficial, but not necessary.

This is the introductory course of a two-year advanced level program in Accountancy. Course content includes the development, throughout double-entry accounting, of financial statements using working papers as an approach.

Throughout the course the student will be expected to study accounting situations and suggest possible systems to use.

The second year will be offered in 1977-78.

ACC 32M
Area of Study: Social and Environmental Studies
Prerequisite: None

This course is designed for the student who may possibly enter a small business in either Technology or Service Industry.

Ten percent of small businesses in Canada fail during the first year of operation. Emphasis is placed on possible solutions to this problem.

1. Ownership
2. Inventory
3. Finance
4. Business Image

DATA PROCESSING
CST 32P
Area of Study: Communications
Prerequisite: CST 22P

Upon completion of this course, the student should be able to: 1) Flowchart and write a program for a computer in a high level language; 2) Perform the functions of Arithmetic Branching, Counting, and Looping, Data Movement, Address Modification and Writing a subroutine and creating Linkage to and from it; 3) Test and produce a running program using a testing system; 4) Produce documentation to adequately describe this program.

ACCOUNTING
ACC 321
Area of Study: Pure and Applied Science
Prerequisite: None

NOTE: This course should be chosen by a Level Two (Grade 10) student wishing to take the first year of a three year program in Accounting.

This course uses the balance sheet approach to introduce office accounting. The content of the course is practical and is the first year of the Three-Year Accounting Series.

BUSINESS RECORDS
ACC 220
Area of Study: Pure and Applied Science
Prerequisite: None

This is an introductory one-year course describing the principles and practices used in setting up records, recording daily transactions, preparing financial statements, and company analysis.

DATA PROCESSING
CST 22P
Area of Study: Communications
Prerequisite: None

This course introduces the modern methods of processing information from handwritten to electronic means. During the year, the course will cover man's need for and use of current information. The basic concepts of Data Processing (Manual Electro-mechanical and Electronic) will be developed as well as problem solving with the computer and an understanding of its functions and uses in today's society.

ACC 32A
ACCOUNTING
Area of Study: Pure and Applied Sciences
Prerequisite: ACC 321

This is the second year of the Three-Year Accounting Series. It builds upon double-entry accounting as applied to bank reconciliation, adjustments, classification and analysis of financial statements, partnership and payroll.

LAW 42L

LAW FOR THE LAYMAN

Area of Study: Social and Environmental Studies;

Communications

Prerequisite: None

What are your rights and responsibilities as a person under the law as it is in Canada and Ontario? Now that the legal age is 18 years, what contracts can you sign, should you sign, etc.? These and other questions are answered in Law for the Layman.

Some other topics covered are:

1. Development of the law and law-making bodies
2. Law of Torts
3. Legal capacity to make contracts
4. Marriage, divorce, separation, etc.
5. Citizenship
6. The law and you in daily living

LAW 43L

LAW FOR THE LAYMAN

Area of Study: Social and Environmental Studies;

Communications

Prerequisite: None

An in-depth study of the law as it affects the individual and society. Social legal issues are analysed by the student. The student will be required to research legal topics and present his findings to the class.

Areas of study will include:

1. Development of law
2. The Canadian system of justice
3. Criminal law
4. Legal responsibilities of the individual in society
5. The Law of Torts
6. Current legal problems

MARKETING AND ADVERTISING

MKT 32M

Area of Study: Social and Environmental Studies;

Communications

Prerequisite: None

This course provides the student with an understanding of the various aspects of marketing. The course begins with a study of the producer and consumer and how marketing brings these two together. It examines types of retail organizations and indicates the advantages and disadvantages of operating various types of stores.

The mechanics of starting, operating and continuing are studied in detail. The course emphasizes throughout the effect of advertising and displaying merchandise has on success.

ACC 42A

ACCOUNTING

Area of Study: Pure and Applied Science

Prerequisite: ACC 32A

This course teaches basic Canadian accounting practice. It provides detailed instruction in accounting procedures for a manufacturing concern. It also deals with departmental and cost accounting and sales analysis. The systems approach is employed throughout using the McBee System and accounting machines.

ELECTRONIC DATA PROCESSING

CST 42P

This course is designed for the student who is interested in studying the computer and its effects. Topics include:

1. Problem solving and programming - suggested problems include a series of problems (gradually increasing in difficulty) involving such typical applications as payroll and inventory control.
2. Programming and applications - examples include selected portions of systems involved in such areas as grade reporting and student registration.
3. Implications for the individual and society.

ACC 43K

ACCOUNTING

Area of Study: Pure and Applied Science

Prerequisite: ACC 33K and Department Head Approval

This is the second year of a two-year advanced level program in Accounting. Accounting situations will be studied as they apply to different methods of ownership and different types of business.

Students will develop accounting systems via a case study approach.

ACC 43F

BUSINESS FINANCE

Area of Study: Pure and Applied Science

Prerequisite: None

This course is intended to:

1. Provide students with information that may aid them to decide on a career in finance.
2. Provide students with an insight into various aspects of finance so that they may choose a career in this field.
3. Provide information about the field of corporate finance by relating it as closely as possible to the field of consumer and government finance.
4. To provide knowledge about the broad field of finance so the students will appreciate the value of efficient use of their earnings.

ACC 53A

ACCOUNTANCY PRACTICE

Area of Study: Pure and Applied Science

Prerequisite: None

This course is an introduction to accounting. Topics covered include: Costing, Manufacturing, Analysis of Financial Statements, Corporate Organization and Interpretive Analysis. The practical aspect is emphasized throughout.

(This course will be offered pending approval of the Ministry of Education.)

ADVANCED BUSINESS TYPEWRITING
TYP 23B

Area of Study: Communications
Prerequisite: Previous typewriting and the ability to type 25 w.p.m. or more on a five-minute timing with five or fewer errors.

This course in Advanced Business Typewriting is designed for the student who wishes to study Office Procedures in Years Three and Four and eventually use his Typewriting skill in the business world. The course is designed for students who have had at least one previous course in Typewriting, are familiar with the keyboard, and can type at least 25 w.p.m. Students not totally familiar with the keyboard should select TYP 22R--Business Typewriting. Considerable time will be spent on the development of speed and accuracy. Students will also learn to compose directly at the typewriter. In the course, students will be typing business material: letters, manuscripts, and business forms. Typing skill to a rate of 40 w.p.m. is developed in this course.

BUSINESS TYPEWRITING
TYP 22R

Area of Study: Communications
Prerequisite: Previous Typewriting

NOTE: This course is for students who have taken Typewriting and have not yet achieved a Typewriting rate of 25 w.p.m. on a five-minute test with five or fewer errors.

This course in Business Typewriting is designed for the student who wishes to study Office Procedures in Years Three and Four and eventually use his Typewriting skill in the business world. This course is designed for students who have had at least one previous course in Typewriting but have not yet achieved a rate of 25 w.p.m. Students who have achieved a rate of 25 w.p.m. or more should select TYP 23B. Considerable time will be spent on the development of speed and accuracy along with correct typewriting techniques. Students will also learn to compose directly at the typewriter. In this course students will be typing business material: letters, manuscripts, financial statements, and business forms. Typing skill to a rate of 35 w.p.m. is developed in this course.

INTRODUCTORY PERSONAL TYPEWRITING
TYP 22P

Area of Study: Communications
Prerequisite: None

NOTE: Students taking Shorthand (SEC 22H) should not enrol in this course.

This course is designed for students who do not intend to use Typewriting in a business office. Also, this is a course designed for students who have had no credit in Grade Nine Typewriting. In this course, the student will learn correct techniques of typewriting and the alphabetic and numeric keyboard. The student will learn to transpose his thoughts at the typewriter. Time will be spent on improving communications skills --spelling, to learn Typewriting for their personal use: typing personal letters, typing school notes, and typing essays for their other school subjects.

INTRODUCTORY BUSINESS TYPEWRITING
TYP 22B

Area of Study: Communications
Prerequisite: None

NOTE: This course is for students who have never taken a course in Typewriting before.

This is an introductory course in Typewriting designed for the student who wishes to study Office Procedures in Years Three and Four and eventually use his Typewriting skill in the business world. This course is designed for students who have never before taken Typewriting. The student will learn the keyboard along with correct Typewriting techniques. Also, the student will progress to a Typewriting rate of approximately 30 w.p.m. along with a reasonable degree of accuracy. Business forms, business letters, tabulation will be introduced.

CONSUMER STUDIES
MKT 53C

Area of Study: Social and Environmental Studies;
Communications
Prerequisite: None

In this modern day the necessity of being a wise consumer and understanding the role of the consumer in Canada's economy is of prime importance. This course in Consumer Studies will acquaint the student with the marketplace and its role in the Canadian economic system. Emphasis is on personal money management using the legal protection afforded by all levels of government.

The student will study source documents issued by all levels of government and documents issued by consumer agencies along with selected readings as a basis for making sound consumer decisions.

CONSUMER EDUCATION
MKT 42C

Area of Study: Social and Environmental Studies
Prerequisite: None

In order to survive in today's marketplace, the consumer must know when a bargain is a bargain, how and when to purchase food, clothing, cars, etc. In general, what is the role of the consumer in Canada's economy and what are his rights? These and many other topics are covered in:

1. Housing and Consumer Purchasing
2. Credit Buying
3. Personal Money Management
4. Standard of Living
5. Holiday Planning, Travel, and Leisure Time

Activities.

PERSONAL NOTE-TAKING	TYP 32P	Area of Study: Communications Prerequisite: TYP 22P or TYP 23P or Department Head Approval	This course is designed for students who would like to take notes rapidly in class or at lectures. This note-taking system (called Forkner Shorthand) is a combination of longhand letters and a few symbols. Transcription skills will be developed--the ability to type from one's Forkner notes. Correct typewriting techniques, correct spelling, grammar, and punctuation will also be emphasized. In this course students will continue to develop their typewriting skills. Reading and listening skills will also be developed. Students will develop the ability to take down the essence of what is said in class or at a lecture in Forkner and to transcribe from their notes. Students will learn to read articles, to select the important points, to make notes in Forkner, and to type from their Forkner notes. Note: Students selecting this course may not select any other typewriting course.	SHORTHAND SEC 22H Area of Study: Communications Prerequisite: None Corequisite: TYP 22B, TYP 23B, or TYP 22R This course is designed for business use. The basic theory of the new Pitman Shorthand is presented and a high level of accuracy in reading and writing is achieved. Dictation at a rate of 60 w.p.m. will be achieved by the end of this course. Early in the course students will be typing from their shorthand notes.	OFFICE PROCEDURES SEC 32B Area of Study: Communications Prerequisite: None Corequisite: TYP 22B, TYP 23B, or TYP 22R This course is designed to further develop type-writing skills. General office behaviour, knowledge of office equipment, banking procedures, postal information, telephone telecommunications, and filling are among the topics to be studied. The ability to produce mailable copy in a limited time and typewriting skill to a rate of approximately 45 w.p.m. is developed in this course.	SHORTHAND SEC 32H Area of Study: Communications Prerequisite: SEC 22H Corequisite: SEC 32B or SEC 33B This course is designed for business use and is available to students who have had one year of Pitman Shorthand. A dictation rate of 90 w.p.m. is expected by the end of this course. The emphasis is on improving transcription and increasing the rate at which Shorthand is written.
ADVANCED OFFICE PROCEDURES SEC 33B	Area of Study: Communications Prerequisite: TYP 23B, TYP 24B, or Department Head Approval	This business course is designed to further develop typewriting skills. General office behaviour, knowledge of office equipment, stencil duplication, the use of dictating equipment, banking procedures, postal information, telephone, telecommunications, and filling are among the topics to be studied. The ability to produce mailable copy in a limited time is developed in this course. The student should also reach a typewriting rate of 50 w.p.m. upon completion of the course.	OFFICE PROCEDURES SEC 42B Area of Study: Communications Prerequisite: SEC 32B This course is designed to prepare students for work in the business world. Office skills are applied in practical situations. Students will gain experience by working in the school's Practice Office and performing various office duties. In addition, they will also be given the opportunity of working in an office during the business hours. Filing, company organization, office equipment and the duties of office workers are examples of the various topics studied in this course. Typing skill to a rate of approximately 55 w.p.m. is developed in this course. Students will be typing mailable material of a business nature under production conditions.	BUSINESS COMMUNICATIONS SEC 42C Area of Study: Communications Prerequisite: A Previous Course in Typewriting Note: This is not a Year Four Course in Office Procedures and Typewriting.	Learn to write clearly and convincingly--with ease. The purpose of this course is the clear and concise composition of reports and letters dealing with all phases of business life. Various types of business letters will be composed: letters of inquiry, order letters, credit letters, collection letters, and letters of application. Current communication in everyday life is viewed through the examination of written material. To enhance understanding and clear composition of letters and business reports, grammar rules and spelling and punctuation are stressed. Oral communication is also a part of the course. Topics range from correct oral expression to the presentation of speeches. During the year a group project will be set up in which students will represent different companies within the classroom and correspond with each other on topics of a business nature.	

This is a course designed for students with a definite weakness in reading. Emphasis will be upon improving reading skills and strategies in all content areas. Students will be assisted and evaluated on an individual basis.

ENG 22R ENGLISH
Area of Study: Communications
Prerequisite: Personal recommendation by English Teacher
Corequisite: Any other English course

An integral part of this course is the development of speaking, reading, and writing skills. This is a relatively intensive study of the various types of works in English literature. It is hoped that the student will come to an understanding and appreciation of the disciplines, techniques and merits of the poem, the short story, the novel, the film and the play. Continuous evaluation of student work and term examinations will be employed.

ENG 230 ENGLISH
Area of Study: Communications
Prerequisite: Any Grade 9 English Course

Emphasis will be placed on the enjoyment and appreciation of modern prose, poetry, drama, and films. The course is designed to favour a wide and pertinent literary experience of the various kinds of literature, instead of a narrower intensive study. A heavy emphasis will be placed, as well, on the improvement of reading and writing skills.

ENG 220 ENGLISH
Area of Study: Communications
Prerequisite: Any Grade 9 English Course

A fourth ESL credit is provided for Year 5 (Grade 13) students whose native language is other than English. This course is intended to assist them in meeting the demands of their other Grade 13 courses and subsequent post secondary courses.

There are three E.S.L. credits which can be applied towards the Secondary School Graduation Diploma. E.S.L. #1 is for students who have been in an English speaking Canadian environment for less than a year and who have a native language other than English. Emphasis is on the development of the four basic skills of listening, speaking, reading and writing. E.S.L. #2 is for students who have mastered the skills of E.S.L. #1 but who need continued development of their skills in the English language in order to cope successfully in their other subjects. E.S.L. #3 may be taken at the same time as E.S.L. #2. It is designed for ESL students who need help in English language skills in order to be prepared for admission to a regular English program.

Grade level is not a factor in determining a student's admission to this course. He must, however, obtain prior approval from the Counselling Office and E.S.L. teacher.

ENG 22S ENGLISH AS A SECOND LANGUAGE
Area of Study: Communications
Prerequisite: None

This is a course designed to present to the student an opportunity to increase his skills in spelling, reading, writing, and vocabulary development. Extensive use will be made of a reading achievement system in conjunction with a variety of short novels, plays, short stories, and skill exercises. There will be frequent evaluation, and an examination at the end of all three terms.

ENG 219 ENGLISH
Area of Study: Communications
Prerequisite: This course is for students who do not have a Year One English credit or for students who have a definite weakness in English and have been recommended by their teacher.



This course is designed to prepare students for work in the business world. Office skills are applied in practical situations. Students will gain experience by working in the school's Practice Office and performing various office duties. In addition, they will also be given the opportunity of working in an office during business hours. A variety of topics are studied in this course: filing, office equipment, company organization, duties of office workers, legal business forms, planning an itinerary, and the use of dictating equipment. Typing skill to a rate of 60 w.p.m. is developed in this course. Students will be typing suitable material of a business nature under production conditions.

SEC 33B
Area of Study: Communications
Prerequisite: SEC 33B

ADVANCED OFFICE PROCEDURES
SEC 43B
This course is designed for business use and is available to students who have had two years of Pitman Shorthand. Writing speeds of 120 w.p.m. are expected by the end of this course. Course emphasis is on speed of writing, office-style dictation, vocabulary expansion, and accurate transcription.

SEC 42H
Area of Study: Communications
Prerequisite: SEC 32H
Corequisite: SEC 42B or SEC 43B

SHORTHAND

ENGLISH 240

Area of Study: Communications
Prerequisite: Personal recommendation by Grade 9 English teacher plus interview with Department Head this spring

This enriched course is designed for students who have demonstrated a maturity and sophistication in language, reading and writing skills and who are interested in broadening their knowledge of English literature and improving their writing styles. Students will be introduced to the material and terminology of the various genres: novels, plays, short stories, poetry. Creative and critical writing will be related to the study of the literature, which may include Dickens, Twain, Shakespeare. This course is intended to be a demanding and challenging experience for the motivated and capable student.

ENGLISH 320

Area of Study: Communications
Prerequisite: ENG 220

The course examines the social condition of man through the study of various forms of literature and media. Active participation in play production, seminar discussions and the debating of significant issues and themes will be expected. Equal emphasis will be placed on written assignments. Composition work will include expository and narrative writing. Vocubulary studies will be stressed as well. Continuous evaluation and term exams will constitute the method of assessment.

ENGLISH 330

Area of Study: Communications
Prerequisite: ENG 230

This course is a traditional English course which will include sections on poetry, short stories, plays, both modern and Shakespearean, and at least two novels. In addition, a focus on Canadian literature, themes and genres, will be a major unit. Students are expected to become familiar with the terminology connected with each of the genre. The language section of the course will include a review of basic grammar, punctuation, word study, approaches to critical reading, paragraph construction, and, finally, the essay. Evaluation will be continuous. There will be an examination in each term.

ENGLISH 340

Area of Study: Communications
Prerequisite: ENG 230
Recommendation by Grade 10 English teacher

This enriched course is designed for students who have displayed a superior interest and ability in language, reading and writing skills and who would be prepared for and challenged by an intensive and sophisticated study of Canadian literature. Areas of study will include: the problems of Canadian identity, the theme of survival against the environment, recent developments in various genres, and a unit on Toronto. In each term, to illustrate the universality of themes in Canadian literature, one non-Canadian work will be studied comparatively. Critical and creative writing will be related to the literature studied.

ENGLISH 353N, The Modern Novel, is an intensive exploration of the psychological and philosophical trends in the twentieth century novel; a study of at least nine novels is planned. Students will be guided through an analytical approach to all facets of the novel including style, theme, symbolism, and will ultimately be expected to study critically and independently an additional three works by one author. Seminars, class assignments and group discussions will be stressed; however, the primary means of evaluation will be the critical essay. Authors will include: Hardy, Hemingway, Camus, D. H. Lawrence, Faulkner, Hesse.

DRAMA

Area of Study: Communications
Prerequisite: ENG 430

This course will be involved with what is happening on the stage. Students will examine modern plays from the text by means of dramatization, and through visits to current productions. Dramatic criticism will be read and written by students in order to discover and develop critical standards. A seminar and lecture course, English 53T will afford some opportunity for individual choice of work.

PATTERNS IN LITERATURE

ENG 53S

Area of Study: Communications
Prerequisite: ENG 430

English 53S, Patterns in Literature, is a survey course examining recurrent themes and character types throughout English literature. Beginning with Anglo-Saxon literature and extending to the twentieth century, the course will trace the treatment and portrayal of Women, Heroes, and Villains in the

This course is an introduction to how Mass Media, (including television, radio, newspapers, films, and advertising) communicates to us: the words, the thinking, and the methods used. The course also looks at what effect mass media has on our values and attitudes; how mass media shapes us, and our world. The student will be required to do a lot of reading, writing, listening, and viewing as homework, and discuss and understand these examples of mass media. Assignments will include radio tapes, newspaper articles and a short television show. Evaluation will be based on class work, oral and written presentations, and three examinations.

Area of Study: Arts
Prerequisite: THA 220 and Department Head Approval

MASS MEDIA THA 32V

This course is designed as a continuation of THA 220 with more emphasis placed on exploring creative playmaking by focusing on themes, ideas, situations and scripts that come from the group. From their own awareness and understanding, students can then explore movement, sound, improvisation and role-playing by examining their own experiences, fantasies, children's stories, myths, records and novels. The student will be expected to discuss his/her personal development and learning in the course and also prepare studio-based assignments.

Area of Study: Arts
Prerequisite: THA 220 and Department Head Approval

THEATRE ARTS INTERMEDIATE THA 320

This course is designed to explore and develop basic skills with a focus on personal awareness and group responsibility. It will focus on this through the use of movement, improvisation, role-playing, relaxation exercises and games. Evaluation will be based on various written as well as studio-based assignments.

Area of Study: Arts
Prerequisite: None

THEATRE ARTS INTRODUCTORY THA 220

NOTE: The facilities provided for Theatre Arts are operating at maximum capacity. For this reason there is a limited enrolment in the program. Students selecting Theatre Arts at the Senior Level THA 320 and THA 420 must satisfy the prerequisite and obtain Department Head Approval before their request will be granted.

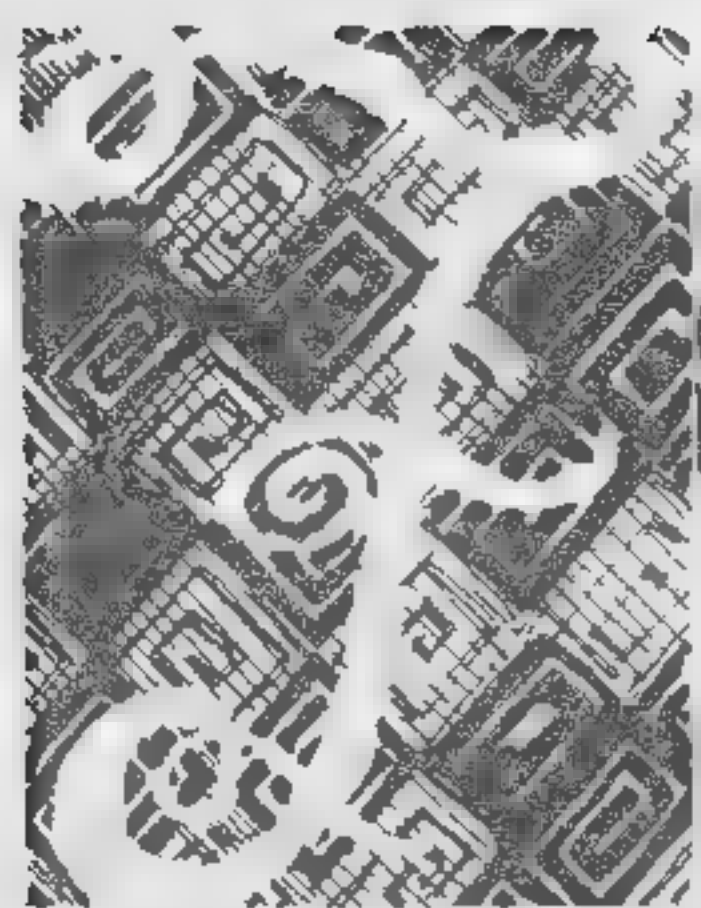
THEATRE ARTS PROGRAM

works studied, which will include poetry, novels, and plays. Thematic investigation will focus on such patterns as the Hero on a Quest, Woman as a Temptress, the Villain as a Hero in Disguise. Group discussions, seminars, independent study and the critical essay will be the methods of evaluation.

THEATRE ARTS SENIOR THA 420

Area of Study: Arts
Prerequisite: THA 320 and Department Head Approval

This course looks at communicating and working in groups and exploring and understanding conflict. The focus is personal for the student, as well as an overall awareness of how people react and interact. From this understanding, character development and conflict situations will be explored from records, books, improvisations and current events. Evaluation will be based on several written analyses and reaction papers, some major essays and examinations, as well as studio work in class. The student will also be expected to analyse and evaluate his/her own learning and development.



Family Studies

FAMILY STUDIES

FAM 220

Area of Study: Pure and Applied Sciences;
Social and Environmental Studies
Prerequisite: None

Everyone is connected to some family in some way! The aim of Family Studies is to develop your skills and knowledge to improve your family living. There will be an opportunity to develop practical skills in the areas of food preparation and clothing construction. Be prepared to spend \$10.00 on fabric as you explore clothing - the silent language. There will also be an opportunity to develop social skills related to entertaining; food, feasts and families; understanding and guiding young children; getting along in a family and many other units falling in the general area of management, family relationships and housing.

NOTE: You may only take one Family Studies Course at Year 2 Level.

FAMILY STUDIES

FAM 230

Area of Study: Pure and Applied Sciences;
Social and Environmental Studies
Prerequisite: One year of Family Studies

This course is designed for the student who has one year of Home Economics or Family Studies training. The Family Studies curriculum emphasizes preparation of individuals for effective family living. Skills, previously learned, which relate to food preparation, and clothing construction will be developed further. Be prepared to spend \$10.00 for fabric. In addition, learn how to manage your resources of time, energy and money efficiently while satisfying a family's physical needs of food, clothing and shelter and their emotional needs for affection, security and understanding. Examine how some of these needs are met today in comparison to yesteryear.

NOTE: You may only take one Family Studies Course at Year 2 Level.

FAMILY STUDIES

FAM 320

Area of Study: Arts; Social and Environmental
Studies
Prerequisite: None

Students in this course put themselves in the hypothetical situation of being finished school, working and living on their own. The course begins by helping you choose a possible career. Each of the following main decisions are dealt with

as they would arise in a real-life situation: "Where will I live? What will I do? What will I wear? What will I eat?" Students will apply management techniques to planning preparation and serving meals to save time, energy and money. In dealing with the decision of "Where will I travel?" students choose a country to visit (hypothetically) and prepare foods of this country.

To sort out confusion with all the new textiles around today learn how to identify and care for the synthetic fibres. Take a ride back through history to study what people wore. Basic design theory will help you in your clothing selection. This is the last sewing course so students are encouraged to choose a challenging pattern or fabric for a garment or home furnishing project or to tailor a blazer or jacket. Allow \$15.00 for your lab project.

NOTE: This course should not be taken if you are taking or have taken FAM 32B, FAM 33M or FAM 33T.

FAMILY STUDIES

FAM 32B

Area of Study: Pure and Applied Sciences
Prerequisite: None

NOTE: This course is designed for students with no previous Family Studies courses at the Secondary School level.

"Singles Survival" is a course designed to help Westview singles manage their lives more efficiently. Put yourself in a hypothetical situation of being employed full time and living on your own. Aspects of day to day living will be dealt with as they arise. For example, buying a car, renting an apartment, responsibilities of a tenant, decorating and furnishing an apartment, entertaining, food preparation (foreign and familiar), shopping practices, consumer rights, human relationships, selection and care of clothing - and many other concerns that would appear in a real life situation.

NOTE: This course should not be chosen if you have taken FAM 320.

FAMILY STUDIES

FAM 33M

Area of Study: Social and Environmental Studies;
Arts
Prerequisite: None

Are you always running out of time, money or energy? Learn how to organize your life, and improve your quality of life, in and out of the home in the management unit of this course. Examine Canada's role in solving world nutrition problems. Compare our habits and food customs as Canadians to those of other people in other lands. Prepare meals with foreign flavours while testing management principles. (½ credit; ½ year)

NOTE: This course should not be chosen if you have taken FAM 320.

FAMILY STUDIES

FAM 33T

Area of Study: Social and Environmental Studies;
Arts
Prerequisite: FAM 230 or FAM 220

Look to far away places as you study contemporary dress designs and designers. Learn the basics for designing your own clothes and study the evolution of today's fashions from their historical counterparts. Allow \$15.00 for fabric for a tailoring project or a challenging sewing creation. Confused by all the new textiles? This course examines new developments with emphasis on making you a more informed textile consumer.
(½ credit; ½ year)

NOTE: This course should not be taken if you have taken FAM 320.

EXPLORING CHILDHOOD

FAM 420

Area of Study: Social and Environmental Studies
Prerequisite: A group course meeting prior to registration with Course Chairman is necessary to clarify the intent and scope of this course. This course should not be taken if you are taking or have taken FAM 43F.

From Exploring Childhood, the students should expect two things: a better understanding of himself and his own development and a greater confidence in working with young children now and in future statuses.

This program is designed to give adolescents new and responsible roles working with children, the skills to perform these roles and preparation for adult responsibilities involving the care and welfare of the young. The adolescent will better understand himself when he can objectively look at his development and factors affecting it from birth to present day.

The student will examine all aspects of the development from birth to adolescence and determine his role in shaping that development while relating to young children now and as a parent. This development is examined in a field site situation (daycare, elementary school etc.) and about ½ of scheduled time will be allotted for this.

The course is presented in three modules:
(1) working with children; (2) seeing development and (3) family and society.

Both males and females can learn a great deal from exploring the world of children.

This is a 2 credit course.

NOTE: This course is offered pending approval by the Ministry of Education.

THE FAMILY AND ITS FUNCTIONS

FAM 43F

Area of Study: Social and Environmental Studies
Arts
Prerequisite: None

Functions of the family are the main topics of this course with emphasis on the economic function and the function of personality and child development. Students are given a framework for understanding the forces that shape the development of a child. How to apply these concepts in working with children is stressed. Practical experience is gained when each class operates a "play school" for neighbourhood children. Observations and experience will also occur at other field sites. Special problems and pleasures are considered for each state in the family life cycle from the engagement period (pre-family) to the elderly family.
(½ credit; ½ year)

NOTE: This course should not be chosen if you are taking FAM 420.

FAMILY STUDIES

FAM 43H

Area of Study: Social and Environmental Studies;
Arts
Prerequisite: None

Housing is one of the largest expenditures of the family budget, so sound consumer knowledge on spending for housing is essential. Styles of housing throughout history will be examined to increase the student's appreciation of contemporary styles. Apartment, condominium, co-op, detached, semi, duplex, modular, mobile - many current alternatives will be studied and the process of purchasing them investigated. "A man's home is his castle" is a long standing belief. The student can learn to express his own creativity and individuality through interior decoration. Having learned the theories of interior decoration (colour moods, wall treatments, etc.) and having been in touch with some experts in the field, the student can put the information to use in a practical decorating project.
(½ credit; ½ year)

FAMILY STUDIES

FAM 530

Area of Study: Social and Environmental Studies;
Arts
Prerequisite: None

The contemporary Canadian family will be examined both in historical and cross cultural perspectives. An inward look at current demands and expectations of the family will be taken - especially in the area of socialization - the process by which young family members are shaped to society's mould. An examination of the varied family forms will reveal the delicate balance in structure and function of the family and emphasize the uncertain future of some of the more recent alternatives to family types. Promoting personal growth is vital to the well-being of the individual and the family. In this respect, emphasis is placed on becoming aware of one's self and one's feelings and developing effective communication patterns to enable sharing that awareness with others.



CANADA'S PHYSICAL GEOGRAPHY

GEO 330

Area of Study: Social and Environmental Studies;
Applied Sciences
Prerequisite: None

Canada's physical environment is the product of the interaction of a number of natural phenomena.

In this course the students will investigate the work done by a variety of forces and agents during the formation of our landscape, i.e., folding, faulting, volcanic activity, the work of running water, glaciation, winds and waves.

The variation in atmospheric conditions within Canada's boundaries are many and complex. A survey of meteorological and climatic causes and patterns will conclude this course in physical geography.

Considerable attention will be given to field work, map interpretation and air photo analysis.

ENVIRONMENTAL ISSUES

GEO 33E

Area of Study: Social and Environmental Studies
Prerequisite: None

This course deals with the major environmental issues which threaten man's well-being and even his existence. Students will study such problems as over-population, food supply, energy supply and local, national and international environmental quality.

If you take this course your view of the world and perhaps even how you will live the rest of your life will change.

REGIONAL GEOGRAPHY OF NORTH AMERICA

GEO 420

Area of Study: Social and Environmental Studies
Prerequisite: None

Geography 420, Regional Geography of North America, is the last in the series of general level courses offered at Westview and is designed for students in the graduating year of this program. Various aspects of geography such as agriculture, recreation, land use conflict, manufacturing, resource exploitation and exploration will be studied using appropriate regional examples in Canada and U.S.A.

The regional topics are studied as distinct units and involve a variety of learning situations such as projects, laboratory exercises, group work and role playing. Field trips and field analysis are an essential and integral part of the course. A wide range of materials such as maps, photos, slides, and movies will be used. Students will be evaluated continuously during the various units.

CANADIAN STUDIES

GEO 220

Area of Study: Social and Environmental Studies
Prerequisite: None

Note: GEO 220 not to be taken with GEO 230 concurrently.

This Canadian Studies course is for students who are interested in the study of the different areas of Canada, the investigation of geographic problems and the solutions to the problems. Areas of study include: The Prairies, the Maritimes, the North, British Columbia, Quebec and Southern Ontario.

Canadian problems to be studied include: population growth, regional poverty, loss of farmland, and energy shortages.

Emphasis will be placed on daily class work. Group discussion and written assignments.

CANADIAN STUDIES

GEO 230

Area of Study: Social and Environmental
Prerequisite: None

Geography 230 is designed to help you understand the variety of lands and people within Canada. This course should also provide a good basis for the study of geography in later years. Parts of Canada to be studied include: Toronto, the Maritimes, the Far and Near North, and Western Canada.

Within the open area, learning situations will make full use of map work, films, slides, games, group and individual projects.

NATURAL HAZARDS

GEO 320

Area of Study: Social and Environmental Studies
(Canadian Studies)
Prerequisite: None

In the 320 course, students investigate some of the spectacular natural events that often cause disaster for humans, such as earthquakes, hurricanes, floods, and volcanoes.

Recent examples of actual cases are studied, using movies, pictures, articles and T.V. In these case studies the causes and characteristics of the hazards are analyzed.

The influence of the hazard on man and the measures taken to reduce loss of life and destruction of property are also investigated.

REGIONAL GEOGRAPHY

GEO 430

Area of Study: Social and Environmental Studies
Prerequisite: None

Geography 430 is a student centered course that deals with geographical problems in selected world regions. Topics such as California water problems, Japanese resource shortages and Middle East oil supplies are studied.

Considerable optional work is included allowing students to use their individual talents and initiative.

Evaluation is continuous, with oral, as well as written assignments playing an important part.

GEOGRAPHY - URBAN STUDIES

GEO 43U

Area of Study: Social and Environmental Studies
Prerequisite: None

This course is designed to help mature students to develop an in-depth knowledge of the major skills and concepts in urban geography. Study topics include, urbanization and society, community studies, urban functions and the internal structure of the city, the growth and support of towns, contemporary urban problems and urban planning. Stress will be placed on the theory and techniques of urban research.

Learning situations will make use of group work, mapping, films and slides, educational games, library projects and field studies. In addition, students will be required to carry out independent research in consultation with teachers.

CANADIAN GEOGRAPHY

GEO 530

Area of Study: Social and Environmental Studies
Prerequisite: Department Approval

GEO 530 is designed for students in their graduating year who are interested in regional identity, regional theme analysis and the study of key geographic concerns.

Regional themes to be studied include the Near North as a Frontier of Settlement, the Maritimes - Golden Age to Disparity, and the Great-Lakes St. Lawrence Lowlands - Canadian Heartland.

Key geographic concerns include: the Environmental Impact of Energy Resource Development, Foreign Investment and Resource Development, and Canada's Population Dilemma.

Stress in this course will be on geographic methods: air photo interpretation, map analysis, re used statistics, and field work.

ADVANCED PHYSICAL GEOGRAPHY

GEO 53P

Area of Study: Social and Environmental Studies
Prerequisite: Two of GEO 230, 330, 430
Permission of Department

Geography 53P is a course based on the understanding that the natural world can be thought of as a number of interrelated, functioning systems. The course deals with such areas of interest as biogeography, climatology, meteorology, resource management and cartography.

While open to students of other years, this course requires of all students the ability to read, write and reason at the grade 13 level.



HISTORY

The purpose of History is to show students that the Present is meaningless without a knowledge of the Past.

Students wishing to enroll in any of the following programs are invited to discuss any questions they might have with any member of the Department.

CANADA SINCE 1945

HIS 220

Area of Study: Social and Environmental Studies
Prerequisite: None

This Canadian Studies programme is designed to draw students' attention to three basic Canadian themes that are important to us in the 1970's. An investigation of the current unrest in the province of Quebec will stress the conditions that led to the growth of separatism. A study of Canada's political, economic and social character will be made. We will discover whether our country is an independent nation or in reality a colony of the United States. In addition, students will examine our country's identity as reflected in Canadian art, music and literature.

The development of reading, note taking, writing, speaking and organizational skills will be stressed.

CANADIAN STUDIES

HIS 230

Area of Study: Social and Environmental Studies
Prerequisite: None

What is the Canadian Identity?
Do you have a part in it?

The aim of this course is to answer these questions through a study of various selected topics such as French Canadian Separatism, regionalism, the Northern Frontier, the Arts in Canada and American-Canadian relations. The student will be encouraged to develop communicative skills at both the written and verbal level. Varied classroom methods, including group discussion will stimulate the discovery of the themes which underlie our Canadian way of life.

THE RISE OF WESTERN CIVILIZATION

HIS 320

Area of Study: Social and Environmental Studies
Prerequisite: None

This course examines the development of Western civilization from the beginning of time up to the present. The overall aim of this course is that students should discover that our present way of life owes much to our Mediterranean and European backgrounds. Students will explore topics such as the Mysteries of the Pyramids, the Golden Age of the Greeks, the Power that was Rome, the Italian Renaissance as well as important contemporary issues. Skills that will be stressed are research techniques, communication - both oral and written - and the ability to select and relate information.

MAN IN SOCIETY

MIS 320

Area of Study: Social and Environmental Studies
Prerequisite: None

Society today is continually faced with complicated problems. It is therefore important that today's students understand their role within society, for both the present and future.

"Man in Society" will examine the role of the individual and how he or she interacts within the groups that make up our society. Frequent class discussions will give the student the opportunity to express his or her ideas and viewpoints on topics of social concern.

Communicative skills, both written and verbal, will be stressed throughout the course. Students will be expected to participate in class discussions and to read a variety of provided articles in preparation for these discussions. Short written and research assignments as well as class presentations will be required.

Films and guest speakers will be useful aids to the class's study of such topics as the behaviour of man, the role of the family, changing sex roles, our prison system, alienation and other issues of contemporary concern.

THE RISE OF WESTERN CIVILIZATION

HIS 330

Area of Study: Social and Environmental Studies
Prerequisite: None

This course involves a study of the major political economic, religious, scientific and cultural developments of the ancient Middle East, Greece, Rome, and the rising European nations that form the basic roots of our present civilization. Research essays, debates, group work and oral presentations will allow the student to substantiate his interpretation of the subject material. Films, guest speakers, and controversial materials will be introduced to challenge the students' attitudes and perception of these ideals and beliefs that our Western Society maintains.

WORLD POLITICS

HIS 32P

Area of Study: Social and Environmental Studies
Prerequisite: None

The aim of this course is to provide the student with a basis for understanding the political forces in operation in today's world.

The program is divided into two sections. First, the student examines how governments are organized and the many differences that exist in their form i.e. Democracy, Communist and Dictatorships. Second, these countries are studied within the world community both as a member of international organizations (U.N.) and as a member of power blocs (Democratic U.S. and friends - Communist Russia and friends). Also, current events problems such as terrorist groups and the Middle East Crisis will be studied throughout the year. Emphasis will be placed on participation in class discussions and written reports.

EUROPE IN REVOLUTION

HIS 420

Area of Study: Social and Environmental Studies
Prerequisite: None

The aim of this course is to enable students to discover the factors that caused a series of Revolutions in Europe - starting from the French Revolution up to the Fascist and Communist Revolutions of the 1900's. Through a study of these Revolutions and their leaders - Robespierre, Napoleon, Bismarck, Lenin, Mussolini and Hitler - students will see how they, in turn, affected events throughout the world. Emphasis will be placed on class discussions, seminar work as well as research and the preparation of historical essays.

ECONOMICS: OUR CANADIAN WAY

ECO 420

Area of Study: Social and Environmental Studies
Prerequisite: None

This course is an introduction to our Canadian way of life designed to give the student an insight into how our economy is structured. Current economic events will be examined with respect to wages, prices, inflation, investment, labour unions and government.

This course is structured to provide practical economic knowledge that will be useful to the student throughout his life. Written and oral reports, group work, and independent research of issues of concern will permit the student to develop and understanding of our economy at work.

HISTORY AND PHILOSOPHY OF SCIENCE,
TECHNOLOGY, AND HUMANITY HIS 42P

Area of Study: Social and Environmental Studies;
Pure and Applied Sciences
Prerequisite: None

NOTE: It is suggested that students taking this course have previous experience in both Science and History programs.

Is science a reflection of our society, or is society a reflection of science? The aim of this course is to attempt to form an adequate answer to this question. Society involves the roots of our present-day civilization - The Renaissance, the Reformation, The Enlightenment, Political Revolution, and Communication Revolution: whereas science involves man's efforts to gain control of his environment, and to answer the many questions which his very existence on this earth raises.

Students who enroll in this course can expect field trips, guest speakers, stimulating demonstrations of historic scientific phenomena, and an overall approach which encourages independent thought, and discussion. The skills stressed will be the scientific method, debate as well as oral and written reports.

WORLD RELIGIONS HIS 42R

Area of Study: Social and Environmental Studies
Prerequisite: None

NOTE: This course is open to students in Years 4 or 5, or possibly Year 3. Students with the recommended background in HIS 320, MIS 320, HIS 32P, or HIS 330 will be given preference.

This course is a study of the five main religions of mankind: Hinduism, Buddhism, Judaism, Christianity and Islam. The student, through the study of these great philosophies, will be encouraged to ask fundamental questions about himself, his life, and the community of man. Through the media of class discussion report and seminar presentation, individual research and field study, the student should achieve a better understanding of the world about him.

EUROPE IN REVOLUTION HIS 430

Area of Study: Social and Environmental Studies
Prerequisite: None

This course focuses on major developments in European History from the eighteenth to the twentieth century. It shows how these developments affected not only Europe, but events throughout the world. The underlying theme of this course is Revolution.

The kinds of reasons for, characteristics of and the impact (immediate and long-term) of Revolutions will be examined. This examination will provide an understanding of basic concepts such as nationalism, liberalism, communism, socialism and total war which form the structure of our modern society. The skills involved in oral and written communication, historical analysis, seminar presentation and research for essay writing will be stressed.

THE HISTORY OF THE LABOUR FORCE IN CANADA HIS 43L

Area of Study: Social and Environmental Studies
Prerequisite: None

This course will trace the developments, problems and achievements of the Canadian Labour Force from the 19th Century to contemporary times. Labour history, working conditions, strikes and collective bargaining, strike busting, automation, women in the work force, immigrant workers and racism, and the culture of the workingman are some of the themes to be examined. This course will involve group work, class discussions, research essays, and will offer guest speakers and field trips.

THE CANADIAN ECONOMY ECO 530

Area of Study: Social and Environmental Studies
Prerequisite: None

NOTE: It is recommended that students enrolling in this course have taken some previous Social Science courses at the advanced level.

Today's young people will encounter economic and political issues of increasing complexity. Therefore, this course is designed to provide a set of basic economic concepts and principles which will benefit the student in later life.

The first section of the course will deal with the historical development of the Canadian economy, from earliest colonial times to the twentieth century. The second section will involve the students in contemporary problems such as foreign ownership of our economy, regional disparities, government control of the economy, resource control and Canada's position in the international economy.

CANADA IN NORTH AMERICA HIS 530

Area of Study: Social and Environmental Studies
Prerequisite: None

NOTE: It is suggested that students who have not taken History courses in previous years, consult a member of the Department before enrolling in this course.

The primary emphasis of this course will be on Canadian History from the days of New France to the present. Students will be asked to focus on selected themes such as French-English relations; Federal-Provincial relations; and Canadian-American relations.

Skills stressed involve historical interpretation and seminar work. The ultimate aim is to develop an insight into the unique traditions and problems in Canada in the latter half of the twentieth century.

AMERICAN CIVILIZATION

HIS 53A

Area of Study: Social and Environmental Studies
Prerequisite: None

This course will examine the history of the United States from Colonial times to the present. Students will focus on selected political themes such as the American Revolution, the Civil War and the Twentieth Century Reform Movements from the New Freedom to the New Frontier. Social themes will include the Asprin Age, the Morals Revolution of the late 1960's and Watergate. Foreign policy from Isolationism to Imperialism in Viet Nam will be examined.

Skills stressed involve historiography, seminar work and historical analysis. The ultimate aim of the course is to develop an understanding of why the eighteenth century "American Dream" turned into the twentieth century "American Nightmare."

COMPARATIVE POLITICAL SYSTEMS HIS 53P

Area of Study: Social and Environmental Studies
Prerequisite: None

NOTE: It is recommended that students enrolling in this course have studied some previous Social Science courses.

This course will examine the philosophies and structures of the Canadian, American and Russian governments. The ideologies and mechanics of these three governments will be compared and the political problems currently present in these nations will be discussed with reference to probable solutions. The course will involve individual research, group involvement and seminar presentation and will offer field trips and guest speakers.

Note: Pending Ministry Approval.



FRENCH FOR BEGINNERS

FRE 22B

Area of Study: Communications
Prerequisite: None

Students who have never studied French and wish to begin the study of French will benefit from this course. Time will be spent learning basic sentence structures and a practical vocabulary. Emphasis will be given to the development of correct pronunciation and fluency in speaking.

GENERAL LEVEL FRENCH

FRE 220

Area of Study: Communications
Prerequisite: A minimum of Grade 9 French

This course is aimed at students who have had difficulty learning French in previous years. Students who enroll in this course can expect individualized attention and assistance. Drills, short stories and grammar constitute the basic work. Upon completion of this course, students may progress to FRE 320.

FRENCH

FRE 230

Area of Study: Communications
Prerequisite: Grade 9 French

Students taking this course are expected to have a reasonable knowledge of French at the Junior High level. Through the use of dialogues, reading passages and exercises, students will develop a broader vocabulary and an automatic use of language structure. Good pronunciation and precision in language will be emphasized. Frequent and regular evaluation will register a student's progress.

FRENCH

FRE 320

Area of Study: Communications
Prerequisite: FRE 22C or FRE 230

This course is a continuation of the FRE 22C course offered at the grade ten level for students who are interested in a practical study of the language but who are not wanting to pursue it at the Grade 13 level. Students will learn grammar and vocabulary necessary to promote some oral expression. Reading selections will enrich the student's vocabulary and provide for projects on the life in Quebec and France.

FRENCH

FRE 330

Area of Study: Communications
Prerequisite: FRE 230

In this course the student will continue to develop his oral skills, frequently on an individual creative basis, through the use of conversational material, stories, and pattern drills. Increased emphasis will be given to the development of writing and reading skills. In the reading of brief passages, he will broaden his understanding of French life and people. Evaluation will be based on daily written and oral work.

FRENCH

FRE 430

Area of Study: Communications
Prerequisite: FRE 330

This course is a continuation of the program in FRE 330. Reading passages will further acquaint the students with life in the province of Quebec. There will be increased opportunity to speak French during conversations and presentations. Grammatical exercises will assist the students in expressing themselves in a precise fashion.

FRENCH

FRE 530

Area of Study: Communications
Prerequisite: FRE 430

This course offers the student an opportunity to extend and perfect the four language skills of listening, speaking, reading, and writing. Through the use of a text, tapes, records, films, magazine articles, etc. the course emphasizes student participation and offers a variety of modes for communication in French on a wide range of topics.

FRENCH LITERATURE

FRE 53L

Area of Study: Communications
Prerequisite: FRE 430

In this course the student will be guided in the analysis of French and French Canadian literature. By studying representative writings from the 16th to 20th centuries, the student will develop his oral fluency and his writing skills. Evaluation will be based on written tests, a seminar and classroom participation. By doing research, taking field trips and following the news of the French-speaking world, the student will be well-prepared for French at the University level.

GENERAL ITALIAN

ITA 220

Area of Study: Communications
Prerequisite: None

This is a general level course in which much time will be allotted to oral work. The skills of writing and reading will also be taught; grammar, however, will be treated informally. Students will be introduced to Italian culture by means of films, slides, tapes, records, and field trips. This course will have a practical approach to Italian language and will not lead to grade thirteen.

ITALIAN

ITA 230

Area of Study: Communications
Prerequisite: None

This course is an introduction to Italian using Primo Corso d'Italiano with emphasis on the skills of listening, understanding, speaking and reading. This approach stresses oral drills, basic structures, and reading selections with stories and anecdotes. Tapes and records supplement the text.

ITALIAN

ITA 24E

Area of Study: Communications
Prerequisite: Spoken and reading knowledge of Italian

This course, designed for students who already have a reading knowledge of Italian, is similar in structure to ITA 230 with emphasis on writing as well as the skills of listening, understanding and reading. The approach consists of drills on basic structures and reading selections with additional written exercises and the study of short stories and anecdotes. Other cultural material (records, movies, slides, etc.) supplement the text.

ITALIAN

ITA 320

Area of Study: Communications
Prerequisite: ITA 230

This is a general course designed for those students who have had difficulty with the 230 program but wish to continue their study of Italian. A limited number of grammatical structures and a practical vocabulary will be taught. Since the emphasis is on strengthening oral ability, intensive work will be done in studying and creating dialogues. Short stories and anecdotes will provide material for reading and will guide writing skills. As a background to Italy's history and customs, students will use a wide range of audio-visual material such as films, tapes, slides, and records.

ITALIAN

ITA 330

Area of Study: Communications
Prerequisite: ITA 230

This course is a continuation of ITA 230, using Secondo Corso D'Italiano, and includes the learning of advanced grammatical structures and expanding vocabulary. Methods which reinforce comprehension and speaking ability, such as the learning of dialogues and idiomatic expressions will be used. Reading and writing are approached through the use of a short reading text. There will be a continuous evaluation of oral and written work.

ITALIAN

ITA 34E

Area of Study: Communications
Prerequisite: ITA 24E

In this second level of an enriched course, the basic approach described under ITA 24E is continued with more advanced grammatical structures and vocabulary and the reinforcement of these through a variety of written assignments. Oral proficiency

will be fostered through group discussions on topics decided by the students. Reading and writing are approached through the use of a reading text on the history, culture, and geography of Italy. There will be a continuous evaluation of oral and written work.

ITALIAN ITA 430

Area of Study: Communications
Prerequisite: ITA 330 or ITA 34E

Having acquired a basic oral command of the language in earlier courses, the student will spend a greater portion of time on reading and writing. Written exercises and compositions are based on the intensive study of modern short stories by contemporary Italian authors. Discussion and conversation on prepared topics will exercise oral skills.

ITALIAN FOR BUSINESS ITA 43B

Area of Study: Communications
Prerequisite: ITA 320, or 330, or 34E or with the permission of the instructor

The aim of this course is to give students a knowledge of vocabulary (words, phrases, and terms) necessary in the business world. Stress will be placed on composition relating to business communication and correspondence. Some of the business fields covered are law, travel, real estate, insurance, medicine, banking, importing and exporting etc. Emphasis will be placed on preparing students to meet the demands, in Italian, of the business community. Translation of Italian to English and English to Italian will form about 20 percent of the course.

Note: Pending Ministry Approval.

ITALIAN ITA 44E

Area of Study: Communications
Prerequisite: ITA 34E

This course is a continuation of the program of enriched Italian at the Year 3 level (i.e. - ITA 34E). The choice of text will offer more variety in content and a greater vocabulary. Oral presentations and written assignments are designed to improve facility with the language on topics of student interest. The basic core of the course, nevertheless, will be similar to ITA 430. Other cultural material may be used depending on the individual proficiency of the students.

ITALIAN ITA 530

Area of Study: Communications
Prerequisite: ITA 430 or ITA 44E or ITA 43B

The work in this credit will provide a thorough review of the grammar learned in previous years and concentrate on the writing of creative composition to master more complex structures. A supplementary reading text will be used for oral and written compositions and the learning of new vocabulary.

ITALIAN LITERATURE

ITA 53L

Area of Study: Communications
Prerequisite: ITA 430 or ITA 44E

This course is designed to introduce the advanced student to Italian literature. It consists of an extensive survey of Italian authors through poetry and short stories, and an intensive study of a contemporary novel and a modern play. Other cultural aspects will be treated through magazine articles, films, slides, oral presentations and short essays. Some difficult grammatical points are treated as the need arises.

LATIN

AN INTRODUCTION

WHY LATIN?

Because:

Latin is a language which forms the basis of 66% of English.

Latin is the origin of the Romance languages e.g. Italian, French, Spanish, etc.

Latin is also the study of the civilization of Greece and Rome whose contributions in every sphere of life from architecture to the zodiac have influenced our Western heritage.

If you are curious about the world before you came into it...

If you are ready for more than monosyllables...

If you enjoy mythology, archeology, etymology...

If you want grammar to make sense...

If you intend to study languages at the university level...

If you want a background for English, History, Art...

Then Latin is for you!

LATIN

LAT 230

Area of Study: Social and Environmental Studies;
Communications
Prerequisite: None

This is an introductory course to the study of the Latin language and Roman civilization. Emphasis is placed on reading Latin and thereby assimilating new vocabulary and structures. The reading passages focus on the daily activities of the people of classical times. Students research topics of their choice on urban life. Tapes, slides, films, and the general application of Latin to many fields of study such as English, History, Science, and Art form part of this course.

LATIN

LAT 330

Area of Study: Social and Environmental Studies;
Communications
Prerequisite: LAT 230

This course continues the approach of LAT 230. Through the reading passages, the student continues to master new words and forms. In the varied content of the reading selections, important questions which affected the political and social life of the Roman world are explored. Applications of these discussions

are made to our own lives. Films, video tapes, and student presentations on topics of mythology, philosophy, and archeology enrich the course.

LATIN

LAT 430

Area of Study: Communications
Prerequisite: LAT 330

While completing their study of the language, students will be introduced to a study of Latin literature. Various modes of expression and diverse topics of enduring interest will be explored. These include Latin poetry and prose discussing social problems, love, humour, adventure, and philosophy. Films and video tapes will aid in the study of texts.

LATIN

LAT 530

Area of Study: Communications
Prerequisite: LAT 430

The major emphasis in this course is on the reading of Latin prose and verse. Authors such as Caesar, Cicero, Horace, Vergil, Catullus, as well as writers of later Latin will be studied in the original and/or in translation. The approach is varied, and accommodates the students' interests whether they be political or literary. Grammar is reviewed extensively on an independent study basis. The scope of textual materials is broadened by the use of films, slides, and video tapes.



Mathematics

MATHEMATICS

MAT 219

Area of Study: Pure and Applied Sciences
Prerequisite: This course is only for students who do not have a Year One mathematics credit or for students with a definite weakness in mathematics who have been recommended by their Year One teacher.

This course is designed to help students develop a knowledge of the basic skills and concepts in Mathematics. The basic operations with the set of whole numbers are reviewed and extended to the sets of integers and rationals (fractions and decimals). An introduction to basic algebra is presented along with the solution of equations and inequations involving one variable. Geometry is introduced and the basic geometric constructions are studied.

MATHEMATICS

MAT 220

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 120, MAT 12T, or Year 1 Advanced

This is a course in general mathematical concepts. Some of the topics covered are percent, operations with fractions and decimals, laws of exponents, linear equations and their graphs, algebraic solution of systems of linear equations. The course also includes purchasing and managing personal property, payroll and numerical applications of geometry.

MATHEMATICS - BUSINESS

MAT 22B

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 120 or Year 1 Advanced Mathematics

This course is designed for students taking a business program. The course consists of a review of percent, operations with fractions, algebra, practical measurements, purchasing, simple interest, managing personal property and payroll. Linear equations and their graphs are studied and applied to business problems.

MATHEMATICS - TECHNICAL

MAT 22T

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 12T or Year One Advanced Mathematics

This course is intended for students who are taking technical courses at the general level.

The work on number systems in Year One mathematics is reviewed and extended to the sets of irrational and real numbers. An introduction to relations and functions is made and students learn how to graph linear relations and determine the solution set for two linear relations both algebraically and graphically. The slide rule is introduced and is used in problems involving perimeter, area and volume.

Basic algebra from year one is reviewed and extended.

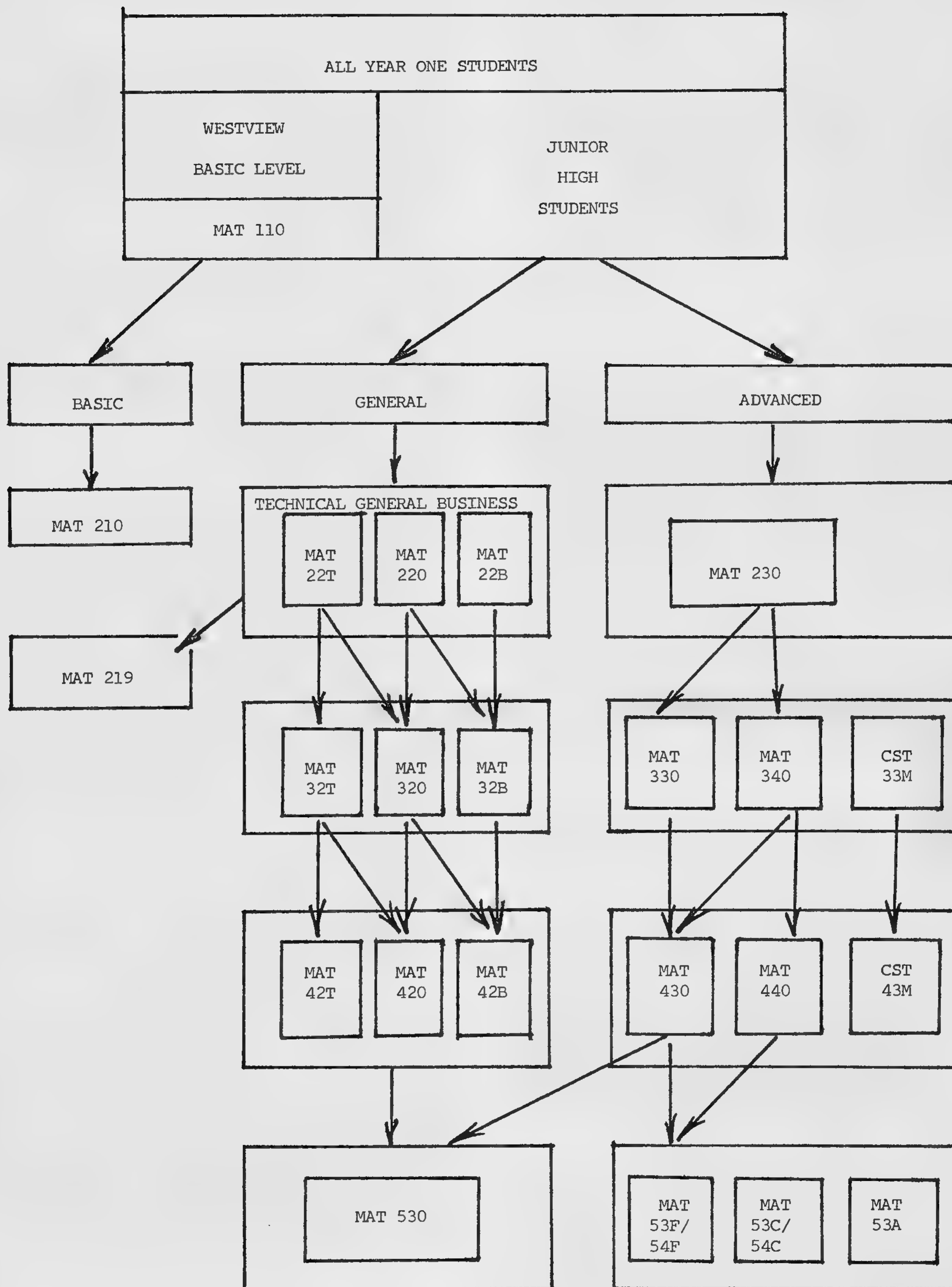
MATHEMATICS

MAT 230

Area of Study: Pure and Applied Sciences
Prerequisite: Grade 9 Advanced

This course centres around four main areas. The first area of study includes mathematical systems with emphasis on the real number system. Relations and their graphs are studied with special emphasis on the linear function. The solution of a system of linear equations, and the solution of word problems leading to a system of linear equations follows from the study of linear functions. Geometry with special emphasis on triangle congruencies and parallel lines is studied. The fourth area is a study of algorithms and an introduction to work with the computer.

MATHEMATICS COURSES AT WESTVIEW



MATHEMATICS

MAT 320

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 220, or MAT 22B, or MAT 22T,
or MAT 230

Mathematics 320 is a general mathematics course which will enlarge upon the topics studied in earlier courses. Review of operations with fractions extension of work on linear relations and their graphs and an introduction to analytic geometry of the straight line as the first topics considered.

Further work is done on algebraic exponents and trigonometry. Some time is spent in studying commission; simple and compound interest; profit and loss, promissory notes, and taxation in the municipal, sales and personal areas.

MATHEMATICS - BUSINESS

MAT 32B

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 220 or MAT 22B or MAT 22T,
or MAT 230

Mathematics 32B is a business mathematics course which will enlarge the concepts introduced in earlier courses. Review of the operations with fractions, extension of the work with linear relations and their graphs are the first topics studied. The mathematics of finance is then introduced and includes the study of simple and compound interest, promissory notes, commission, profit and loss, discounts, sales tax, municipal taxes and income taxes.

MATHEMATICS - TECHNICAL

MAT 32T

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 22T or MAT 230

This course is designed for students taking technical courses at the general level. Logarithms and the slide rule are studied. The work on relations and functions is reviewed and related to problems on direct and partial variation. The analytic geometry of the straight line is begun in detail and is expanded to include lengths of line segments, coordinates of mid-points and area of triangles. The algebra begun in years one and two is extended along with the solution of two linear equations. The trigonometry begun in year two is reviewed and extended to the solution of oblique triangles.

MATHEMATICS

MAT 330

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 230

This course begins with a review of the geometry studied in MAT 230 and is extended to include ratio and proportion, similarity, area and the geometry of the circle. In algebra, the factoring of polynomials is reviewed and continued in order to aid in the simplification of rational expressions. The solution of equations and inequations is reviewed and then extended to the solution of radical equations. Trigonometry is introduced, and the basic fundamentals and applications are covered at this level.

MATHEMATICS - COMPUTER SCIENCE

CST 33M

Area of Study: Pure and Applied Sciences;
Communications
Prerequisite: MAT 230
Corequisite: MAT 330 or MAT 340

This course includes flowcharting, programming, in machine language, assembly language, and FORTRAN, as well as an introduction to computer software and hardware.

MATHEMATICS

MAT 340

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 230 and Department Head Approval

All the material covered in MAT 330 will also be studied in this course, but most of the topics will be studied in greater depth. An additional section, logic will also be included.

MATHEMATICS

MAT 420

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 320, or MAT 32B, or MAT 32T,
or MAT 330

This course provides the student with some knowledge of modern mathematics. The concept of a function is reviewed and extended to the quadratic function. Probability and statistics are introduced along with some business topics such as annuities, foreign exchange, home ownership, stocks and bond values.

MATHEMATICS - BUSINESS

MAT 42B

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 32B, or MAT 330

This course is an extension of the money management topics studied in MAT 32B. Some of the topics studied are sequences and series, an in-depth study of annuities, foreign exchange, home ownership, stocks and bonds, income tax, statistics and probability.

MATHEMATICS - TECHNICAL

MAT 42T

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 32T, or MAT 330

This course is designed for students taking a general level technical course and is a continuation of MAT 32T. Basic algebraic operation, factoring, solution of first degree equations, logarithms and the slide rule are reviewed. Other topics studied are quadratic equations, quadratic functions, solutions of oblique triangles using trigonometry, statics, centre of gravity and friction problems using the idea of vectors.

MATHEMATICS

MAT 430

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 330 or MAT 340

This course provides the basis required for the study of calculus in Grade 13. The concept of a function introduced in earlier courses is continued and leads to particular attention being given to linear functions, quadratic functions, exponential functions and logarithmic functions. The work on trigonometric functions from MAT 330 is extended to include the concept of amplitude, period and phase shift, along with the application of trigonometry using the Law of Sines and Cosines. The geometry of the circle is also studied and the concept of sequences and series is introduced.

MATHEMATICS - COMPUTER SCIENCE CST 43M

Area of Study: Pure and Applied Sciences
Prerequisite: CST 33M
Corequisite: MAT 430 or Grade 13 Mathematics

This is the second year of a two year course in computer science. Assemblers and compilers are taught in detail. The last half of the year is spent investigating computers applications to mathematics and operations research. Every student will be required to do a major project during the third term.

MATHEMATICS MAT 440

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 330, MAT 340 and Department Head Approval

All the material covered in MAT 430 will also be studied in this course, but most of the topics will be studied in greater depth. An additional section on Elementary Number Theory will also be included.

MATHEMATICS MAT 530

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 430 or Department Head Approval

NOTE: Students taking this course may not enroll in any other year five mathematics course.

MAT 530 is for grade 12 graduates who intend to continue their post secondary school education in a humanities or a social science course but not a science course. The topics studied are: Functions, transformations, analytic geometry of the straight line, circle, parabola, ellipse and hyperbola, permutations and combinations, probability and statistics, mathematics of investment, and logical reasoning.

Note: Pending Ministry Approval

MATHEMATICS - ALGEBRA

MAT 53A

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 430
Corequisite: MAT 53C, and MAT 53F

This is a course for students who have a keen interest in mathematics and who intend to take at least one Mathematics course at the post secondary school level. The topics include permutations and combinations, probability, vectors, mathematical induction, equations of lines and planes, matrices and linear transformations, and a study of mathematical structure. Students taking this course must also enroll in Calculus and Functions and Relations.

MATHEMATICS - CALCULUS MAT 53C

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 430
Corequisite: MAT 53F

This course consists of a study of the derivatives and integrals of polynomial and trigonometric functions and their applications to physics and mathematics. Complex numbers and polar co-ordinates are also studied. Students enrolled in this course must also take the Functions and Relations course.

MATHEMATICS - FUNCTIONS AND RELATIONS MAT 53F

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 430

This course is intended for students who wish to complete their secondary school mathematics by unifying some of the concepts studied in earlier years.

The study of relations from the previous years is continued through detailed study of the conic sections, namely, parabola, circle, ellipse, and hyperbola. The trigonometry studied in earlier years is extended to include the graphs and properties of the trigonometric functions.

Translations, rotations, reflections, dilations, sequences and series, and mathematics of investment are also studied.

CALCULUS - ENRICHED LEVEL MAT 54C

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 430 or MAT 440 and Department Head Approval
Corequisite: MAT 54F

The course content of MAT 53C will be covered, but in greater depth.

FUNCTIONS AND RELATIONS - ENRICHED LEVEL MAT54F

Area of Study: Pure and Applied Sciences
Prerequisite: MAT 430 or MAT 440 and Department Head Approval
Corequisite: MAT 54C

The course content of MAT 53F will be covered, but in greater depth.



MUSIC - WINDS

MUS 23W

Area of Study: Arts
Prerequisite: At least 2 years Junior High music or approval of course director
Corequisite: At least 1 hour extracurricular performance each week

Musical training received at the Junior High School level will be reviewed with an intense approach to developing and improving all performance skills. Students will gain knowledge of regular and alternate fingerings throughout the compass of their instrument through the use of technical studies and graded concert repertoire. Numerous playing tests will be given during the academic year. A study of musical form of the past 100 years will be done through listening, performance and audio visual materials.

MUSIC - WINDS

MUS 33W

Area of Study: Arts
Prerequisite: MUS 23W or approval of course director
Corequisite: At least 2 hours extracurricular performance each week

MUS 33W is a further extension of the previous year's course designed to increase the student's technical ability through the use of advanced studies and concert repertoire of increasing difficulty. Numerous playing tests will be given during the academic year. Study of musical form of the past 200 years will be done through listening, performance and audio visual materials.

MUSIC - WINDS

MUS 43W

Area of Study: Arts
Prerequisite: MUS 33W or approval of course director
Corequisite: At least 2 hours extracurricular performance each week

This course is a continuation of work studied in previous years. Studies and repertoire will be more difficult and will be dealt with more intensively. A review of all theory scales, key signatures, notation, etc., will be augmented by melody writing, musical terms, elementary harmony and transposition. Numerous playing tests will be given throughout the academic year. A study of musical form of the past 300 years will be done through listening, performance and audio visual materials.

MUSIC - STRINGS

MUS 23N

Area of Study: Arts
Prerequisite: At least 2 years Junior High music or approval of course director
Corequisite: At least 2 hours extracurricular performance each week

Musical training received at the Junior High School level is thoroughly reviewed with an intensive approach to developing and improving all performance skills. Students will gain knowledge of regular and positional playing through the use of technical studies and graded concert repertoire. Numerous playing tests will be given throughout the academic year. A study of music of the past 100 years will be done through listening, performance and audio visual materials.

MUSIC - STRINGS

MUS 33N

Area of Study: Arts
Prerequisite: MUS 23N or approval of course director
Corequisite: At least 2 hours extracurricular performance each week

MUS 33N is a further extension of the previous year's course designed to improve the student's technical ability through the use of advanced studies and concert repertoire of increasing difficulty. Numerous playing tests will be given throughout the academic year. A study of musical form of the past 200 years will be done through listening, performance and audio visual materials.

MUSIC - STRINGS

MUS 43N

Area of Study: Arts
Prerequisite: MUS 33N or approval of course director
Corequisite: At least 2 hours extracurricular performance each week

This course is a continuation of work studied in previous years. Studies and repertoire will be more difficult and will be dealt with more intensively. A review of all theory, scales, key signatures, notation, etc., will be augmented by melody writing, musical terms, elementary harmony and transposition. Numerous playing tests will be given throughout the academic year. A study of musical form of the past 300 years will be done through listening, performance, and audio visual materials.

MUSIC - CHORAL

MUS 23C

Area of Study: Arts
Prerequisite: None
Corequisite: At least 1 hour extracurricular performance each week

The course is designed to develop vocal performance of as wide a variety of choral music as possible - religious, secular, jazz, contemporary, pop music, etc., in unison and in parts. In addition, a basic understanding of the written page of choral music will be presented in order to develop the student's ability to sing music at sight.

MUSIC - CHORAL

MUS 32C

Area of Study: Arts
 Prerequisite: None
 Corequisite: At least 2 hours extracurricular performance each week

This course is open to all students of year 3 or above. It is designed to develop vocal performance of a wide variety of choral music. Religious, secular, jazz, and contemporary pop music will be sung in unison and in parts. In addition, a basic understanding of the written page of choral music will be presented in order to develop the student's ability to sing music at sight.

MUSIC - CHORAL

MUS 33C

Area of Study: Arts
 Prerequisite: MUS 23C or approval of course director
 Corequisite: At least 2 hours extracurricular performance each week

This course is a continuation of the program begun in MUS 23C. Additional performance of all types of choral music will be given with some stress placed on solo performances. A study of musical form of the past 200 years will be done through listening, performance, and audio visual materials.

MUSIC - CHORAL

MUS 43C

Area of Study: Arts
 Prerequisite: MUS 33C or approval of course director
 Corequisite: At least 2 hours extracurricular performance each week

This course is a continuation of the program begun in MUS 33C. In addition to performance of all types of choral music, further stress will be placed on solo performances and choral conducting will be introduced. A study of musical form of the past 300 years will be done through listening, performance and audio visual materials.

MUSIC - SENIOR

MUS 530

Area of Study: Arts
 Prerequisite: MUS 43W, MUS 43N, MUS 43C or approval of course director
 Corequisite: At least 2 hours extracurricular performance each week

This course is a continuation of work done in previous years stressing improved performance on the student's major instrument. The course will centre around the history of music of the past 400 years. Projects will take the form of seminar presentations and musical theory will be discussed in relation to the above studies. Basic conducting techniques will also be introduced. A minor unrelated instrument may also be studied this year.

STAGE BAND

MUS 33S

Area of Study: Arts
 Prerequisite: Approval of the course director
 Corequisite: Must be enrolled in one other music course

A performance course for students playing trumpet, trombone, saxophone, bass guitar, guitar, and drums. Graded stage band repertoire will be performed. In addition to ensemble playing the student will be given the opportunity to develop his individual ability to play jazz solos. An extensive listening programme covering the history of the big band will be given.

Note: Pending Ministry Approval

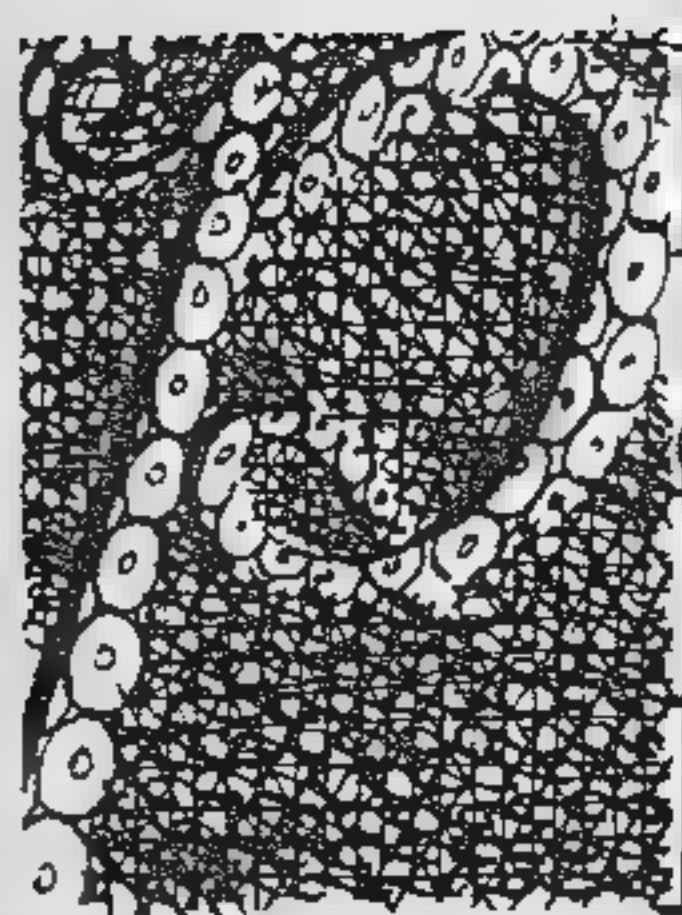
STAGE BAND

MUS 43S

Area of Study: Arts
 Prerequisite: MUS 33S or approval of course director
 Corequisite: Must be enrolled in one other music course

A continuation of the work covered in MUS 33S with more stress on individual solo work and improvisational technique. Individual listening to instructional tapes and records will also be given. Listening to current big bands as well as small group jazz ensembles will be also done as much as possible.

Note: Pending Ministry Approval



Physical and Health Education

PHYSICAL AND HEALTH EDUCATION - GIRLS PHE 23G

Area of Study: Arts
Prerequisite: None

A review of the basic skills of team sports will be offered. Concentrated instruction in individual activities such as gymnastics, badminton, track and field, and dance will be given. In addition, all girls will take one unit of swim instruction. Physical fitness and social adjustment in group activities will be emphasized. The health course will help students form a mature attitude toward human sexual behaviour. To achieve this end the following topics will be included: heredity and environment, reproductive systems, prenatal development, birth and problems related to the maintenance of a healthy body, such as venereal disease.

PHYSICAL AND HEALTH EDUCATION - GIRLS PHE 33G

Area of Study: Arts; Social and Environmental Studies
Prerequisite: None

The emphasis of this course will be on individual challenge. Each student will be able to select her activities. Courses offered will include: 1) basic instruction in individual sports, such as gymnastics, archery, badminton, tennis, swimming; 2) advanced instruction in team and group activities such as volleyball, basketball, and modern dance. Physical fitness and competitive activity will be emphasized in this year's course. Each student must take part in the swimming program at least once.

Students this year will receive a choice of health courses, picking two of the three offered. The aim of these courses is to investigate some experiences facing today's youth so that they may understand and deal with their problems more effectively. This will be done by referring to basic psychology and everyday examples. Unit I considers the three basic adolescent spheres of influence, the home, the school, the peer group. Unit II deals with athletic injuries and basic first aid. Unit III will explore female sexuality.

PHYSICAL AND HEALTH EDUCATION - GIRLS PHE 43G

Area of Study: Arts; Social and Environmental Studies
Prerequisite: None

The year 4 co-educational course will give an insight into individual and team recreational and socio-athletic areas. Emphasis will be on 1) basic instruction in newly introduced carry-over sports such as golf, diving and skiing. 2) Advanced instruction in activities that the students may intend pursuing in later life such as swimming, tennis, badminton, archery and track and field. This course will also offer the students advanced recreational work in basketball, volleyball, dance and gymnastics.

Each student must take at least one swimming activity.

The program is designed so that each student may select her own activity from a wide variety of activities offered at the same time. Some activities will take place away from school, therefore, an extra effort will be required of the students in their participation and attendance.

The Health Course will be in three sections. Students will choose two of the three for study. In the first, family life and consumer health will be dealt with in depth. Topics such as the role of the family in today's society, young married life, family planning, marriage problems, and child development will be discussed.

In the second section, Mental Health will be studied under these major topics - A Definition of Good Mental Health, Mental Illness, and Emotional Maturity. In the third section, lecture, discussion and seminar techniques will combine with experimentation to give the student an understanding of bodily functions and principles and methods of physical fitness.

PHYSICAL AND HEALTH EDUCATION - BOYS PHE 23B

Area of Study: Arts
Prerequisite: None

A review of the basic skills of team sports will be offered. Concentrated instruction in individual activities such as gymnastics, track and field will be given. In addition, all boys will take one unit of swim instruction. Physical fitness and social adjustment in group activities will be emphasized. The Health Course will help students form a mature attitude toward human sexual behaviour. To achieve this end the following topics will be included: heredity and environment, reproductive systems, prenatal development, birth, and problems related to the maintenance of a healthy body, such as cancer and venereal disease.

PHYSICAL AND HEALTH EDUCATION - BOYS PHE 33B

Area of Study: Arts; Social and Environmental Studies
Prerequisite: None

The emphasis of this course will be on individual challenge. Each student will be able to select his activities. Courses offered will include: 1) basic instruction in individual sports, such as gymnastics, wrestling, archery, badminton, tennis, and swimming. 2) advanced instruction in team and group activities such as volleyball, basketball, soccer, and rugby. Physical fitness and competitive activity will be emphasized in this year's work. Each student must take part in the swimming programme at least once.

The aim of the health courses is to investigate some experiences facing today's youth so that they may understand and deal with their problems more effectively. This will be done by referring to basic psychology and everyday examples. Unit I considers the three basic adolescent spheres of influence, the home, the school, and the peer group. Unit II deals with athletic injuries and basic first aid.

Area of Study: Arts; Social and Environmental Studies
Prerequisite: None

The year 4 co-educational course will give an insight into individual and team recreational and socio-athletic areas. Emphasis will be on 1) basic instruction in newly introduced carry-over sports such as golf, diving and skiing. 2) Advanced instruction in activities that the students may intend pursuing in later life such as swimming, tennis, badminton, archery and track and field. This course will also offer the students advanced recreational work in basketball, volleyball, dance and gymnastics. Each student must take at least one swimming activity.

The program is designed so that each student may select his own activity from a wide variety of activities offered at the same time. Some activities will take place away from school, therefore, an extra effort will be required of the students in their participation and attendance.

The Health Course will be in three sections. Students will choose two of the three for study. In the first, family life and consumer health will be dealt with in depth. Topics such as the role of the family in today's society, young married life, family planning, marriage problems, and child development will be discussed.

In the second section, Mental Health will be studied under these major topics - A Definition of Good Mental Health, Mental Illness, and Emotional Maturity. In the third section, lecture, discussion and seminar techniques will combine with experimentation to give the student an understanding of bodily functions and principles and methods of physical fitness.



SCIENCE

SCI 220

Area of Study: Pure and Applied Sciences
Prerequisite: None

This course presents to the student a variety of topics in physics, chemistry and biology. Each student is required to complete a minimum number of topics in each of these three areas.

Additional investigations in topics of his choice will be available later in the school year. Evaluation is based on daily work, reporting, laboratory skill and testing.

SCIENCE

SCI 230

Area of Study: Pure and Applied Sciences
Prerequisite: High Standing in Grade 9 Science

The intention of this course is to give a student a familiarity with each of the three main areas of Science - biology, chemistry, and physics. Various phases of each field are presented in such a fashion as to give not only familiarity but also some basis on which future studies in these fields can be based. On completion of this course the student should be able to choose his future science areas of study with greater clarity.

Students will be evaluated on the basis of daily work, written reports, laboratory techniques, tests and examinations.

THE PHYSICAL SCIENCES

SCI 330

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 230

SCI 330 is intended to be a continuation of topics in chemistry and physics, some of which were begun in SCI 230. It is for students who wish to continue study in the physical sciences and/or plan to take CHE 430/PHY 430.

The chemistry units of SCI 330 will examine the properties of some of the common chemical elements and their compounds through experimental study and also on the basis of their position in the periodic table.

To relate to this, the physics units will examine some physical properties of matter, cover the history of atom model development through the years, and include experiments and text material pertaining to electron and nuclear atom models.

Evaluation in this programme will be based upon laboratory work, written work, seminar presentations, testing and examination results.

BIOLOGY

BIO 320

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 220 or SCI 230

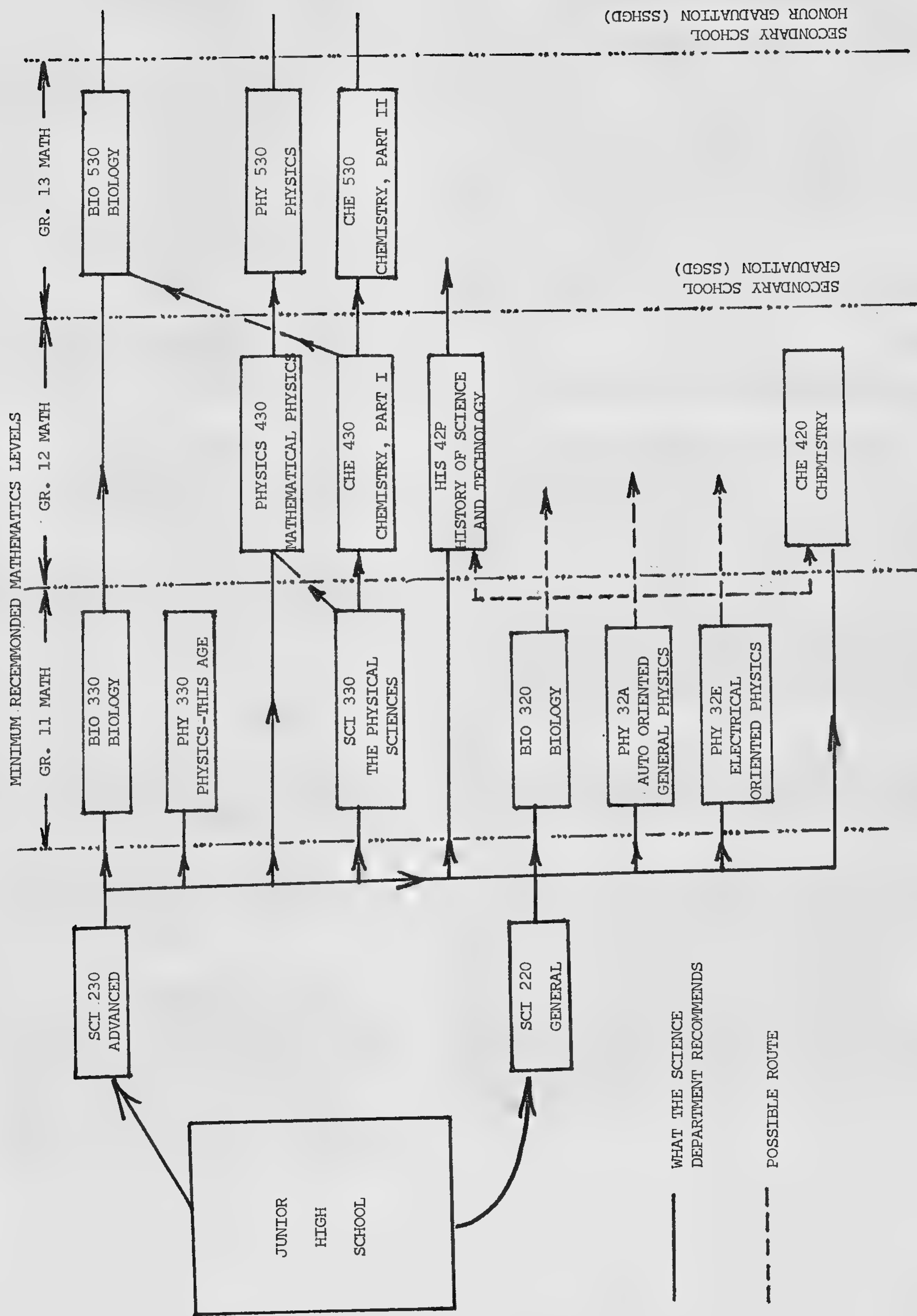
This course is divided into three general areas, all of which are integrated. The first section deals with the origin of life and how the first cells were believed to have evolved. A study of the structure and development of cells is oriented around laboratory activities mainly through the use of microscopes and slides, of which many are prepared by the student.

The course then leads to an examination of a variety of organisms with special emphasis given to the organisms' abilities to adapt to their changing environment.

The final section will be an introduction to the study of ecology. The theme of the entire course is the interaction of organisms with each other and their environment.

A variety of methods of evaluation are used such as daily work, written assignments, tests and examinations.

SCIENCE CREDITS AT WESTVIEW



BIOLOGY

BIO 330

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 230

To understand many of today's world problems such as disease, population control, and pollution a basic knowledge of biology is necessary. Through a variety of methods many fundamental biological principles are presented and related to the above problems.

Some of these principles are brought out through the study of such topics as the origin of life, cellular development, comparative animal physiology and an introduction to the principles of ecology. Each topic involves a variety of practical laboratory investigations.

A variety of learning procedures are used in the course and the evaluation of a student's progress is based on daily work, written assignments, tests and examinations.

BIOLOGY

BIO 530

Area of Study: Pure and Applied Sciences
Prerequisite: CHE 430

Biology is a rapidly expanding science with new discoveries being made each day. In this course an attempt is made to understand the basic working (or physiology) of the living cell - plant and animal. Once this understanding has been accomplished, a student can then judge and appreciate the delicate balance of life and place some of the new discoveries and statements in their proper perspective.

The course presents the cell, its microscopic anatomy and some of its basic chemical reactions. When these areas are understood, the anatomy and physiology of the two larger groups of organisms are studied using mammals and flowering plants as examples.

With a knowledge of the above mentioned subjects a greater comprehension can be obtained of the other areas studied - genetics, heredity, evolution and ecology.

CHEMISTRY

CHE 420

Area of Study: Pure and Applied Sciences
Prerequisite: Grade 10 Science

NOTE: In general, this is a non-mathematical course and as such, is NOT suitable as an entry to further courses in chemistry, such as CHE 530.

For the student taking a program including a number of technical subjects, an understanding of some of the chemical processes which are so important in today's technological society, is valuable. After

an introduction to the language of chemistry, and some of the basic principles of the subject, several of these processes are discussed. Much of the student's time is spent in the practical application of these principles in the laboratory.

CHEMISTRY - ADVANCED - PART I

CHE 430

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 330 or Dept. Head Approval

NOTE: Standing in SCI 330 is required for this course, and the student is recommended to take PHY 430 in conjunction with this course.

For the students intending further studies in the sciences, both physical and biological, a thorough grounding in the language and basic techniques of chemistry is essential. This course is the first part of a two part course, which will provide this background. Chemistry, part II may be taken in Year Five.

The student will spend considerable time in the laboratory, and emphasis will be placed on reporting laboratory findings and manipulating quantitative results. A facility with mathematics is helpful in this course.

CHEMISTRY - ADVANCED - PART II

CHE 530

Area of Study: Pure and Applied Sciences
Prerequisite: CHE 430

After being introduced to the language and basic principles of Chemistry in Part I of this program (CHE 430), the student is exposed to some of the factors which affect chemical reactions. Such topics as equilibrium, reaction kinetics, thermodynamics, and organic chemistry are discussed.

The emphasis on reporting of laboratory findings which began in CHE 430 will continue, with a greater level of quality and sophistication expected.

The student is also required to submit a major research project, involving both a search of the literature, and independent laboratory work as part of the requirements for credit.

PHYSICS - AUTO ORIENTED

PHY 32A

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 220 or SCI 230
A level 3 Mathematics

This course is designed to develop physics concepts using experiments relating to automobiles, their components and their motions. It will promote understanding of friction, torques, gearing, the laws of motion, energy, and the effects of these concepts upon automobile safety. It will also study the properties of fluids, fluid flows and heat transfer used in automobiles. Brief units near the end of the year will give insight into the atom, electronics, radioactivity, and nuclear physics.

Emphasis will be upon performing experimental measurements, followed by class analysis, discussion and reporting. Students will also be expected to do some project work, give seminar presentations, and perform simple mathematical calculations. The slide rule will be used to assist the students in their calculations. Its use will be taught as the course progresses.

Evaluation will be based upon class participation, daily work, written reports, tests and oral presentations.

PHYSICS - ELECTRICAL ORIENTED PHY 32E

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 220 or SCI 230
A Level 3 Mathematics

This course is designed to develop physics concepts using experiments relating to electricity and the nature of matter. It will lead through a history of various models of matter, study the electron nature of the atom and its relation to light and electronics, and then develop a nuclear model of matter. It will then investigate waves and properties that relate to communications. Brief units near the end of the year will study the behaviour of simple motions, energy and the relation to electrical energy.

Emphasis will be upon performing experimental measurements to give insight into the above. Discussion, student project work, seminar presentations and written reports will also be involved. Students will be expected to perform simple calculations. The use of a slide rule is expected.

Students will be evaluated upon class participation, daily work, written reports, tests, and oral presentations.

PHYSICS FOR THIS AGE PHY 330

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 230 and a Year Two Mathematics

This course is intended for students who would like a Physics credit, but do not intend to take PHY 530.

It is intended to promote appreciation and understanding of the laws of physics in today's world. Thus it will range through studies of time, mass and space, forces and fields, work and energy, electricity, electronics, the structure of the atom, living in the nuclear age, and the role of physics in pollution studies. Other topics may be presented by a seminar approach as they may arise throughout the year.

Students will be evaluated on daily participation, work assignments, reporting, seminar and project work, tests and examinations. Throughout, the emphasis will be upon quality of results produced, and diligent student application. If this is lacking, students will be considered for transfer to general level physics following term reports.

Very weak students are better advised to consider PHY 32E or PHY 32A.

MATHEMATICAL PHYSICS

PHY 430

Area of Study: Pure and Applied Sciences
Prerequisite: SCI 330; good standing in Mathematics, and the student is recommended to take CHE 430 in conjunction with this course.

This course will emphasize the more mathematical nature of physics that follows upon experimentation. It is also intended for students who fully intend to take PHY 530 in the following year.

The course will range through mathematical and graphical analysis of experimental data, vectors, kinematics, dynamics, some concepts pertaining to angular and orbital motions, energy and the universe, vibrations, waves, and sound as an example of a wave phenomenon.

Students should be fully prepared to do experiments, report them, analyse them mathematically and then solve problems using the laws derived.

Students will be evaluated on daily participation, work assignments, reports, projects, tests and examinations. A high standard of work and application is expected.

Students who are merely looking for a credit in physics are advised to take PHY 330, PHY 32A or PHY 32E.

PHYSICS PHY 530

Area of Study: Pure and Applied Sciences
Prerequisite: PHY 330 and Year Four Mathematics
Corequisite: Year Five Mathematics

NOTE: This course will satisfy University admission requirements. Recommend good standing in MAT 430 and that students be taking Year Five Mathematics.

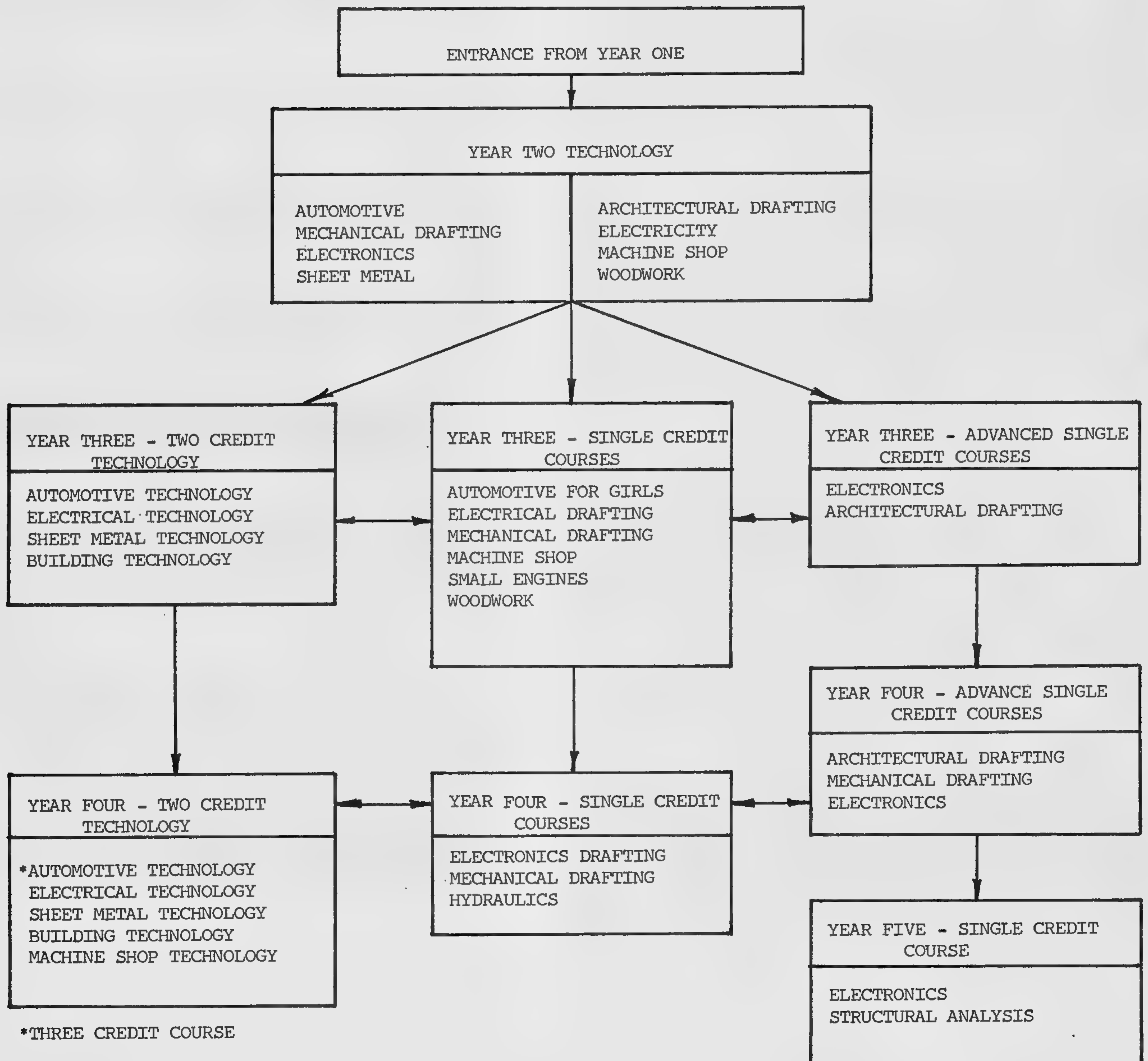
The purpose of the course is to use student experiments to develop scientific models and mathematical relations pertaining to the nature of electromagnetic radiation and matter. It concludes with the concept of wave particle duality applied to a model of the hydrogen atom.

To accomplish this, the course ranges through topics of measurement and analysis techniques, vector kinematics, light, dynamics of matter, electricity and the nature of matter via a quantum approach.

Students will be evaluated on the basis of participation in discussion and experiments, written assignments, experimental analysis and reporting, tests, and the degree of self-sufficiency acquired for thorough and self-initiated work.

TECHNICAL EDUCATION AT WESTVIEW

The Technical Department at Westview provides all students (male and female) with opportunities to elect courses to suit their needs and interests in preparation for entrance into a highly technical world. Students may wish to sample $\frac{1}{2}$ credit courses in Year Two with the chance of further credits with greater concentration in Years Three and Four, or simply to elect a one credit, no prerequisite course (e.g. AUT 32G Introductory Auto Mechanics for Girls, WOD 320 General Woodworking, etc.) for general interest. Courses are available in the following areas: Automotive, Drafting (Architectural, Electrical, Mechanical), Electricity, Electronics, Machine Shop, Sheet Metal, and Woodwork at the General Level with Electronics, Architectural and Mechanical Drafting also possible at the Advanced Level. Before selection of technical courses is made, students should note that mathematics is a corequisite for most technical courses.





Technical Year 11 Program

STUDIES AT WESTVIEW

To allow all students who enter Westview in year two (grade 10) to experience a broad range of technical areas, we offer 8 subjects from which to choose. All of these courses have a credit value of $\frac{1}{2}$ and are taken for half the year on a semester basis. It is on these courses that the foundation for future studies in the technical field is made.

ALL YEAR II (GRADE 10) COURSES MUST BE TAKEN IN PAIRS.

You may take any two or four courses of those offered. We recommend four selections to give all students a broad base on which to build further studies.

AUTOMOTIVE AUT 220

Area of Study: Pure and Applied Science
Prerequisite: Nil
Corequisite: A Math Course

The course is designed as an introduction to automotive mechanics. It covers the basic power plant and such areas as the braking and ignition systems.

Practical assignments are carefully balanced against theory, homework and tests to offer an interesting course leading to the automotive courses in Third and Fourth year.

ARCHITECTURAL DRAFTING DRA 22A

Area of Study: Pure and Applied Science
Prerequisite: Nil
Corequisite: A Math Course

This course is designed as an introduction to the principles of drafting and the graphic language in general, and to architectural drafting in particular.

Its step by step, progressive, and simplified procedures cover a span starting with the use of drafting instruments, architectural lettering, drafting geometry, conventional projection principles

and dimensioning, to basic architectural detailing, materials and methods, and simple working drawings. This is a $\frac{1}{2}$ credit course and it will be a pre-requisite for the Grade 11 architectural drafting course at the advanced level.

MECHANICAL DRAFTING

DRA 220

Area of Study: Pure and Applied Science
Prerequisite: Nil
Corequisite: A Math Course

This course provides a concise and logically planned approach to drafting for those planning to study technical subjects. The purpose is two fold: to provide a skill in the manipulation of drafting equipment; to provide a sound understanding of drafting fundamentals, working drawings, view relationship, pictorial drawing, dimensioning and shop procedures.

ELECTRICITY

ELE 220

Area of Study: Pure and Applied Science
Prerequisite: Nil
Corequisite: A Math Course

This course is centered around housewiring as a means to understanding electrical concepts such as voltage, current and resistance. Along with basic housewiring circuits, students are introduced to series, parallel and combination circuits and the use of meters to investigate circuit characteristics.

ELECTRONICS

ELE 22X

Area of Study: Pure and Applied Science
Prerequisite: Nil
Corequisite: A Math Course
Recommend ELE 220

Basic concepts of electronics are developed using theory and practical approaches. Electronic components and their uses are analyzed in experiments and projects. An introduction to tubes and semiconductor devices will be included within projects such as tube amplifiers and colour light organ circuits.

This course provides the basis for Year III advanced Electronics.

When taken together with Electricity ELE 220 this course provides the background for Year III Electrical Technology courses.

MACHINE SHOP PRACTICE

MEC 220

Area of Study: Pure and Applied Science
Prerequisite: Nil
Corequisite: A Math Course

This course is designed to introduce the student to basic concepts of Machine Shop practice. It forms the basis of the mechanical technology program.

A project is used to develop skill in machining and fine measurements while working on the lathe, milling machine, drill press and bench.

Individual projects may be included.

SHEET METAL PRACTICE

SHM 220

Area of Study: Pure and Applied Science
 Prerequisite: Nil
 Corequisite: A Math Course

This course is an introduction of practical application geared to the sheet metal industry. Students will be given the option of project selection and the opportunity to expand creative ability in the use of different metals. Projects will aid in the development of layout, forming joining, use of hand tools, machinery and finishing of projects.

WOODWORK

WOD 220

Area of Study: Pure and Applied Science
 Prerequisite: Nil
 Corequisite: A Math Course

A basic course in woodworking using a project designed to teach basic skills. Areas of study covered include: the use and operation of hand and machine tools, jointery, properties of wood, abrasives, and finishing methods. The creative ability and workmanship of the student is stressed.

INTRODUCTORY AUTO MECHANICS FOR GIRLS AUT 32G

Area of Study: Pure and Applied Science
 Prerequisite: None

The objective of this course is to give a basic understanding of the automobile system. Through a practical approach, the student will be introduced to the various systems, such as the ignition, braking and fuel system of the car. This knowledge will prepare the student to be able to make minor adjustments, - running repairs and to assess the cost of garage work. Students who have credit in AUT 220 are excluded from this course. This is a one credit course.

MARINE AND SMALL ENGINES

AUT 320

Area of Study: Pure and Applied Sciences
 Prerequisite: None
 Corequisite: A course in Mathematics
 Year Three Student

This course is designed for those students interested in outboard motors and small engines used to power motorcycles, lawn mowers, snow-mobiles, etc.

The mechanical and electrical systems will be discussed and analysed under the three general headings of:

1. Power Head - The Engine
2. Lower Units - The Transmission
3. Electrical - The Ignition and Generator

Evaluation will be based upon written and practical testing. This is a one credit course.

AUTOMOTIVE TECHNOLOGY

AUT 32P

AUT 32T

Area of Study: Pure and Applied Science
 Prerequisite: AUT 220
 Corequisite: Any Year 2 or 3 Mathematics;
 suggest MAT 32T or MAT 22T

This course, building on the auto mechanics course of the previous year, examines the construction, function and interrelationship of the automotive components and systems in detail. Major areas of instruction are: engine, power transmission, control systems, automotive electricity. An introduction to basic diagnostic work and tune-up will be given. The emphasis of this course is on "Learning-By-Doing" through practical work on running engines and automobiles. This is a two credit course.

AUTOMOTIVE TECHNOLOGY

AUT 42P

AUT 42T

AUT 42E

Area of Study: Pure and Applied Sciences
 Prerequisite: AUT 32P and AUT 32T
 Corequisite: Any Year 3 or 4 Mathematics;
 suggest MAT 42T or MAT 32T

This course examines in detail automotive components and systems, such as automotive electricity, automatic transmissions and power steering. In addition, failure of components and correction of faults, including diagnosis and adjustments, are studied. The automotive test and reconditioning machinery is used extensively. Major areas of instruction are: engine service and tune-up, control system service, diagnosis, reconditioning, auto electricity. The emphasis in this course is on the use of test and reconditioning equipment on running automobiles and their components. This is a three credit course.

MECHANICAL DRAFTING

DRA 320

Area of Study: Pure and Applied Sciences; Arts
 Prerequisite: Recommend DRA 220 or DRA 230
 Corequisite: Year 2 or 3 Mathematics;
 recommend MEC 320

This course is designed to increase the student's knowledge of mechanical devices. Some of the topics covered include fasteners, spur gears, plate cams, jigs and fixtures. These units are studied through the use of pictorial, section, auxiliary and orthographic drawings. Evaluation is based upon drawing projects and theory testing. This is a one credit course.

ARCHITECTURAL DRAFTING

DRA 33A

Area of Study: Pure and Applied Sciences; Arts
 Prerequisite: DRA 230 or DRA 220
 Corequisite: MAT 32T or MAT 330

This course involves introducing the basics of a number of disciplines related to architecture and building construction.

The course includes building materials and methods, building construction detailing, structures, perspective drawings and rendering, presentation and working drawings and rudiments of surveying. This is a one credit course.

MECHANICAL DRAFTING

DRA 420

Area of Study: Pure and Applied Sciences; Arts
 Prerequisite: DRA 320 or Department Approval
 Corequisite: Year 3 or Year 4 Mathematics;
 recommend MEC 420

This course is designed to further the mechanical insight of the student. Areas covered in year three are expanded and studied in more detail. Additional topics covered include: bevel gears, bearings, dies, strength of materials, and welding drawings. Evaluation is based upon drawing projects and theory testing. This is a one credit course.

MECHANICAL DRAFTING

DRA 43M

Area of Study: Pure and Applied Sciences; Arts
 Prerequisite: DRA 220 or DRA 230
 Corequisite: MAT 42T or MAT 430

This course rounds out the advanced student's exposure in the mechanical field. The course will involve the student in design concepts and a study of current drafting practices and standards. Gear design, strength of materials, cams, bearings, linkages and other topics will challenge the pre-engineering student. This is a one credit course.

ARCHITECTURAL DRAFTING

DRA 43A

Area of Study: Pure and Applied Sciences; Arts
 Prerequisite: DRA 33A
 Corequisite: MAT 42T or MAT 430

Basic concepts and elements of design are introduced. Creative work and research are encouraged. Complementary areas of study include: rules governing the construction industry, site development, building materials, community and building analysis, design of building elements and components, and building services. This is a one credit course.

ELEMENTS OF STRUCTURAL ANALYSIS AND DESIGN DRA 53A

Area of Study: Pure and Applied Sciences
 Prerequisite: Year 4 Math, Year 3 Physics

This course, designed for students headed for studies in any engineering field or in architecture, comprises three closely related subject areas at introductory level:

Statics - essentially, force analysis - includes the study of force systems in various types of structures, e.g. beams, trusses, etc.; determination of the known and unknown forces on those structures; and the solution of relevant problems by analytical and graphical methods.

Strength of Materials - The actual design of structural members, parts and connections, including the study of types of stresses, shear and moment diagrams, centroids, moments of inertia, compression members, deformations, etc.

Design in Timber and Steel - More concentrated study on the design of structural members, e.g. beams, girders, plates, columns, etc., made of timber and/or steel.

Note: Pending Ministry Approval.

ELECTRICAL DRAFTING

ELE 320

Area of Study: Pure and Applied Sciences; Arts
 Prerequisite: DRA 12T or DRA 220 or DRA 230
 Corequisite: Any Year II or Year III Mathematics;
 Suggest MAT 32T or MAT 22T

Designed primarily for the third year electrical technology student, the course will assist the student in the interpretation, preparation and design of electrical/electronics circuits and layouts.

Evaluation is by regular testing, project design and term work. This is a one credit course.

ELECTRICAL TECHNOLOGY

ELE 32P
ELE 32T

This course is the first of a two year program to provide the fundamentals of both electrical and electronic application. Theory in the two areas such as magnetism, instrumentation, direct current, alternating current. Other areas of study include: housewiring, generators, motors, starting and control equipment, electronic components and semiconductor devices. A major project, such as a walkie-talkie, motor-control circuit, is built in the electronics area. This is a two credit course.

ELECTRONICS

ELE 33X

Area of Study: Pure and Applied Sciences
 Prerequisite: ELE 230
 Corequisite: MAT 32T or MAT 330

Exposure to the technology of electronics is the keynote of this course. Both the practical experience and theoretical analysis form the basis of investigating various circuits from Ohm's Law to constructing an amplifier. A major project using transistor circuits is constructed by each student. Evaluation of this course is based on lab reports and practical application. This is a one credit course.

ELECTRONICS DRAFTING

ELE 420

Area of Study: Pure and Applied Sciences; Arts
 Prerequisite: DRA 220 or DRA 230

This course deals with drafting as it applies to the electronics industry. Electronic circuits and related equipment are drawn in simplified, pictorial and schematic form. Miniaturization of circuits and drawing printed circuit boards is also covered. The design and construction of a printed circuit board is included. This is a one credit course.

ELECTRICAL TECHNOLOGY

ELE 42P
ELE 42T

Area of Study: Pure and Applied Sciences
 Prerequisite: ELE 32T and ELE 32P
 Corequisite: Any Year III or Year IV Mathematics;
 Suggest MAT 32T or MAT 42T

This is the second year of a two year program designed to extend the fundamentals of electricity and electronics. The purpose of this course is to prepare the graduate for continuing studies at the community college level or for entering electrical apprenticeship. Topics of study include: semiconductor devices such as diodes, transistors, integrated circuits. A major project such as a transistor radio receiver is completed by each student. Three-phase A.C. theory and equipment are investigated. Topics include: alternators, motors, transformers and instruments. Motor systems are developed and an effort is made to visit appropriate industries. An evaluation of this course is done on the basis of lab reports. This is a two credit course.

ELECTRONICS

ELE 43X

Area of Study: Pure and Applied Sciences
 Prerequisite: ELE 33X
 Corequisite: MAT 42T or MAT 430

This course extends the fundamental concepts of Year III Electronics. Experiments in electronic circuitry of semiconductor devices such as diodes, transistor, silicon-controlled rectifier and integrated circuits will be conducted. Building a transistorized radio will constitute the major project in this course.

ELEMENTS OF ELECTRONIC DESIGN

ELE 53X

Area of Study: Pure and Applied Sciences
 Prerequisite: ELE 43X
 Corequisite: Year V Mathematics

Analyzing modern electronic devices forms the basis of this course. Experiments with modern components such as silicon controlled rectifiers, tunnel diodes, and integrated circuits are investigated. Computer circuits are studied through pulse circuits and logics. A project which utilizes the modern devices, is undertaken by the individual student. Complementing this major project will be a technical report and an oral presentation to round out the communicative skills. This is a one credit course.

Note: Pending Ministry Approval.

MACHINE TECHNOLOGY

MEC 320

Area of Study: Pure and Applied Sciences
 Prerequisite: MEC 220, MEC 120 or Department Approval
 Corequisite: Year II or Year III Mathematics;
 Recommend DRA 320

This course enables the student, who has had some previous knowledge of machine shop basics, to develop a greater skill in the use of milling machines and lathes as he builds projects which require a greater degree of accuracy. Precise means of measurement, heat treatment of metals, the study of milling cutters including gear cutting are some of the theory topics which will be analysed. Individual projects approved by the teachers are encouraged.

Evaluation is by regular testing and project marking.

HYDRAULICS

MEC 42H

Area of Study: Pure and Applied Science
 Prerequisite: Nil
 Corequisite: Year 3 or Year 4 Math

Designed primarily for Fourth Year Technology students, the course will also appeal to students with a strong technical interest. It covers the study of fluids under pressure in the transmission of power or motion under precise control.

Basic hydraulics, the operation and maintenance of pumps, motors and controls, are studied by means of a series of laboratory experiments.

MACHINE TECHNOLOGY

MEC 42P
MEC 42T

Area of Study: Pure and Applied Science
 Prerequisite: MEC 320
 Corequisite: Year 3 or Year 4 Math
 Recommend DRA 420

This course is a continuation of the third year course. Advanced theory covering dovetail calculations, helical milling, differential indexing and the co-ordinate locating system which require a good mathematical background are some of the theory lessons taught. Machining methods used in industry today such as Numerical Control and Electrical Discharge machining are studied in the classroom and by means of field trips. By working on more intricate projects the skill of the student is enlarged into the field of surface and cylindrical grinding. Individual projects approved by the teacher are encouraged.

The graduate of this course might proceed to post secondary education or seek employment in the broad field of applied mechanics.

Evaluation is by regular testing and project marking.

This is a two credit course.

SHEET METAL TECHNOLOGY

SHM 32P
SHM 32T

Area of Study: Pure and Applied Sciences
 Prerequisite: SHM 220
 Corequisite: Any Year 2 or Year 3 Mathematics;
 Suggest MAT 32T or MAT 22T

An introduction into more complex pattern layouts in parallel line, radial line and triangulation. Additional areas of study include welding, duct construction, seams, theory of duct installation, types and manufacture of sheet metal, area and volume calculations. This is a two credit course.

SHEET METAL TECHNOLOGY

SHM 42P
SHM 42T

Area of Study: Pure and Applied Sciences
 Prerequisite: SHM 32T and SHM 32P
 Corequisite: Any Year 3 or Year 4 Mathematics;
 Suggest MAT 42T or MAT 32T

More complex pattern layout using parallel, radial and triangulation methods is studied. More advanced welding procedures are practiced. Additional

areas of study include: fan installation, louvers, air movement, sizing of duct trunks, roofing, estimating, precision sheet metal calculations, and blue print reading. This is a two credit course.

WOODWORKING WOD 320

Area of Study: Pure and Applied Sciences; Arts
Prerequisite: None

A general cabinet making course for the student who desires a knowledge of simple cabinet design and construction. The areas of study include: the operation and use of machine and hand tools, joinery, adhesives, abrasives, finishing methods. Individual creativity is stressed. This is a one credit course.

WOODWORK WOD 32A

Area of Study: Pure and Applied Sciences; Arts
Prerequisite: WOD 220

A Cabinet-making course for the student who wishes to construct a piece of furniture using the skills obtained in previous woodworking courses for background.

Areas of study include, design, complex joinery, drawer and cabinet construction, cabinet hardware, wood structure and selection of woods, advanced finishing methods and processes.

BUILDING TECHNOLOGY WOD 32P
WOD 32T

Area of Study: Pure and Applied Sciences
Prerequisite: WOD 220
Corequisite: Any Year 2 or Year 3 Mathematics;
Suggest MAT 22T or MAT 32T

A two credit course covering the work involved in the construction of a residential building from the planning stage to the erection of the unit.

Practical areas of work include: simulated lot layout and foundation work, full size sections of floors, walls with and without openings, roofing, sheathing, outside finishing, materials and methods.

BUILDING TECHNOLOGY WOD 42P
WOD 42T

Area of Study: Pure and Applied Sciences
Prerequisite: WOD 32T and WOD 32P
Corequisite: Any Year 3 or Year 4 Mathematics;
Suggest MAT 42T or MAT 32T

A continuation of the Year Three Building Construction Technology course which covers the interior finishing of a residential building.

Practical work areas include a knowledge of stair layout and construction, manufacture and types of window frames and sash, manufacture and installation of cabinets, wall coverings, roof trusses for prefabricated buildings and general carpentry work.

This is a two credit course.

S U M M E R S C H O O L 1 9 7 7

ON-CAMPUS CREDIT COURSES

Credits to be offered (subject to some possible changes):

- | | | |
|-----------------------|--|-------------------------------|
| 1. Geography 9 - 13 | 2. Science 9 - 13 | 3. Mathematics 9 - 13 |
| 4. History 9 - 13 | 5. Moderns 9 - 13 | 6. Business Education 10 - 13 |
| 7. English 9 - 13 | 8. Physical and Health
Education 11 - 12 | 9. Enrichment Reading 11 |
| 10. Family Studies 11 | 11. Men and Women in a
Changing Society 11 - 12 | 12. Visual Arts 10 - 12 |

Grades 9 - 13 - July 4 - August 12

- | | |
|--------------------------|---|
| Grades 10 - 13 Sessions: | 1 credit 8:30 a.m. - 12:00 noon or 12:30 p.m. - 4:00 p.m. |
| Grade 9 Remedial | 1 credit 8:30 a.m. - 10:30 a.m. or 10:30 a.m. - 12:30 p.m. |
| Locations: Grade 10 - 13 | Westview Centennial Secondary School
Northview Heights Secondary School
Georges Vanier Secondary School |
| Grade 9 Remedial | 2 Centres, one east one west, to be determined |

SUMMER SCHOOL CALENDARS FOR ON-CAMPUS COURSES WILL BE AVAILABLE IN YOUR GUIDANCE DEPARTMENT AT THE BEGINNING OF MAY.

OFF-CAMPUS CREDITS

1. French Immersion Course, Dijon, France - 6 weeks - Senior French Credit
2. Fascinating World of the Greeks and Romans, Italy and Greece - 5 weeks - Senior History Credit
3. The Best of Britain, England and Scotland - 5 weeks - Senior English Literature Credit
4. Archaeological Field Studies, Boyd Centre, Woodbridge - Senior Credit Canadian Studies
5. Young Film Makers, Saranac Annex - Senior Credit Communications

ENRICHMENT COURSES - Non-Credit

1. Honour Mathematics and Science Scholarship Program - July 4 to July 22
2. Physical and Health Education Leadership - July 4 to July 15
3. Summer Studio '77 (Visual Arts) - July 4 to July 29
4. Summer Music School - August 2 to August 18
5. Language Development Summer School (ESL, ESD, Reading) - July 4 to August 12

For further information concerning the above courses, contact the Summer School Office (221-9331)

THE BOARD OF EDUCATION FOR THE BOROUGH OF NORTH YORK

STUDENT PLACEMENT SERVICE

What is the Placement Service?

It is a service provided by the Work Study Department to assist students in locating employment. This service of the Work Study Department is available to all students attending a North York School. It also is available to students who have graduated within the present calendar year.

The Work Study Department is able to most effectively assist students with some business or technical training who do not intend to pursue post secondary education. Assistance may be provided in obtaining: casual, part-time, full-time, vacation-time jobs.

To get involved, get your registration forms from your Work Study teacher contact.

Information regarding apprenticeships occupations and employment trends are available upon request.

WORK STUDY PROGRAMS

SEE a career or occupation of your choice

EXPERIENCE the workday environment

MEET the exciting, competent professionals of business and industry

WHEN - during the school year, during the school breaks, after school, summer vacation, weekends.

PROGRAMS	(1) Work Study	(2) Work Experience	(3) Career Orientation
	(4) Co-operative Training	(5) Community Involvement	
	(A Credit Program		

HOW - pick up a brochure and application form at the School Guidance Office.

AVAILABLE to all students enrolled in a North York Secondary School



CO-OPERATIVE COMMUNITY EDUCATION PROGRAMS



REACH OUT !!

SEE

- A CAREER OR OCCUPATION OF YOUR CHOICE,

EXPERIENCE

- THE SOCIAL AND ECONOMIC ENVIRONMENT,

TRY

- THE WORK DAY WORLD,

MEET

- THE EXCITING COMPETENT PROFESSIONALS OF
BUSINESS AND INDUSTRY WITHIN YOUR COMMUNITY

HOW?

REGISTER IN ONE OF THE FOLLOWING PROGRAMS -

WORK STUDY/WORK EXPERIENCE

INVESTIGATE, INQUIRE, AND EXPERIENCE AN OCCUPATION OR CAREER OF YOUR CHOICE BY SPENDING UP TO TWO WEEKS IN THE BUSINESS OR INDUSTRIAL WORLD.

CAREER ORIENTATION

INVESTIGATE, INQUIRE AND EXPERIENCE A COLLEGE OR UNIVERSITY BY SPENDING A WEEK IN CLASS.

CO-OPERATIVE TRAINING

EARN A CREDIT BY WORKING AND TRAINING ON THE JOB. 160 HOURS ON THE JOB CAN MAKE YOU ELIGIBLE FOR A SECONDARY SCHOOL CREDIT.

JOB PLACEMENT

JOB SEEKING ASSISTANCE IS PROVIDED. APPLICATIONS AND JOB OPPORTUNITIES ARE AT YOUR GUIDANCE OFFICE.

WHEN?

AT ANYTIME DURING THE YEAR

WHO IS ELIGIBLE?

ALL SECONDARY SCHOOL STUDENTS OF NORTH YORK

FOR FURTHER INFORMATION AND LITERATURE:

SEE YOUR GUIDANCE COUNSELLOR OR CALL:


CO-OPERATIVE COMMUNITY EDUCATION PROGRAMS OFFICE:

225-4661, EXT. 277



INDEX

Accounting	8, 9
Art	7
Auto Shop	36, 37
Biology	31, 33
Chemistry	33
Data Processing	8
Drafting	36, 37, 38
Economics	19, 20
Electricity	36
English	12, 13, 14
Family Studies	15, 16
French	21, 22
Geography	17, 18
History	18, 19, 20, 21
Italian	22, 23
Latin	23, 24
Law	9
Machine Shop	36
Man In Society	19
Marketing	9, 10
Mathematics	24, 25, 26, 27
Music	28, 29
Office Procedures	11
Physical and Health Education	30, 31
Physics	34
Politics	21
Science	31
Sheet Metal Shop	39
Shorthand	11
Technical Education (Chart)	35
Typing	10
Theatre Arts	14
Urban Studies	18
Wood Shop	40
World Religions	20

An abstract graphic design featuring several overlapping geometric shapes. A large black parallelogram is on the left, with a green parallelogram overlapping its right side. To the right of the green shape is a long black parallelogram. Further right is a thin black parallelogram, and on the far right is a large green parallelogram. The shapes are arranged in a way that creates a sense of depth and movement.

THE BOARD OF EDUCATION FOR THE BOROUGH OF NORTH YORK

Cover Design By LINDA KING

STUDENT INFORMATION

1977-78

Please read these two sheets carefully and place in your student notebook for easy reference.

YOUR TIMETABLE

Period	Regular Day	Day 1	Day 2
1	8:00-8:40		
2	8:40-9:20		
3	9:30-10:10		
4	10:10-10:50		
5	10:50-11:30		
6	11:30-12:10		
7	12:10-12:50		
8	12:50-1:30		
9	1:30-2:10		
10	2:10-2:50		
11	3:00-3:40		
12	3:40-4:20		

Bell Schedule

Period	Regular Day	Period	Regular Day	Assembly Day	Short Day
1	8:00 - 8:40	1	8:00 - 8:40	Assy 12, 13 Pd I 11	8:00 - 8:35
2	8:40 - 9:20	2	8:40 - 9:20	8:00 - 8:35	8:35 - 9:10
3	9:30 - 10:10	3	9:30 - 10:10	Pd I 12, 13 Pd II 11	
4	10:10 - 10:50	4	10:10 - 10:50	8:35 - 9:10	9:20 - 9:55
5	10:50 - 11:30	5	10:50 - 11:30	Pd II 12, 13 Assy 11	9:55 - 10:30
6	11:30 - 12:10	6	11:30 - 12:10	9:10 - 9:45	
7	12:10 - 12:50	7	12:10 - 12:50		10:30 - 11:05
8	12:50 - 1:30	8	12:50 - 1:30	3 - 9:55 - 10:30	11:05 - 11:40
9	1:20 - 2:10	9	1:20 - 2:10	4 - 10:30 - 11:05	11:40 - 12:15
10	2:10 - 2:50	10	2:10 - 2:50	5 - 11:05 - 11:40	12:15 - 12:50
11	3:00 - 3:40	11	3:00 - 3:40	6 - 11:40 - 12:15	
12	3:40 - 4:20	12	3:40 - 4:20	7 - 12:15 - 12:50	12:50 - 1:25
<u>Home Room</u> 10 minutes				8 - 12:50 - 1:25	1:25 - 2:00
				9 - 1:25 - 2:00	2:10 - 2:45
				10 - 2:00 - 2:35	2:45 - 3:20
				Assy 10 Reg. 2:45 Pd 11 Basic 3:20	
				Pd 11 10 Reg 3:20 Assy Basic 3:55	
				Pd 12 10 Reg 3:55 Pd 12 Basic 4:30	

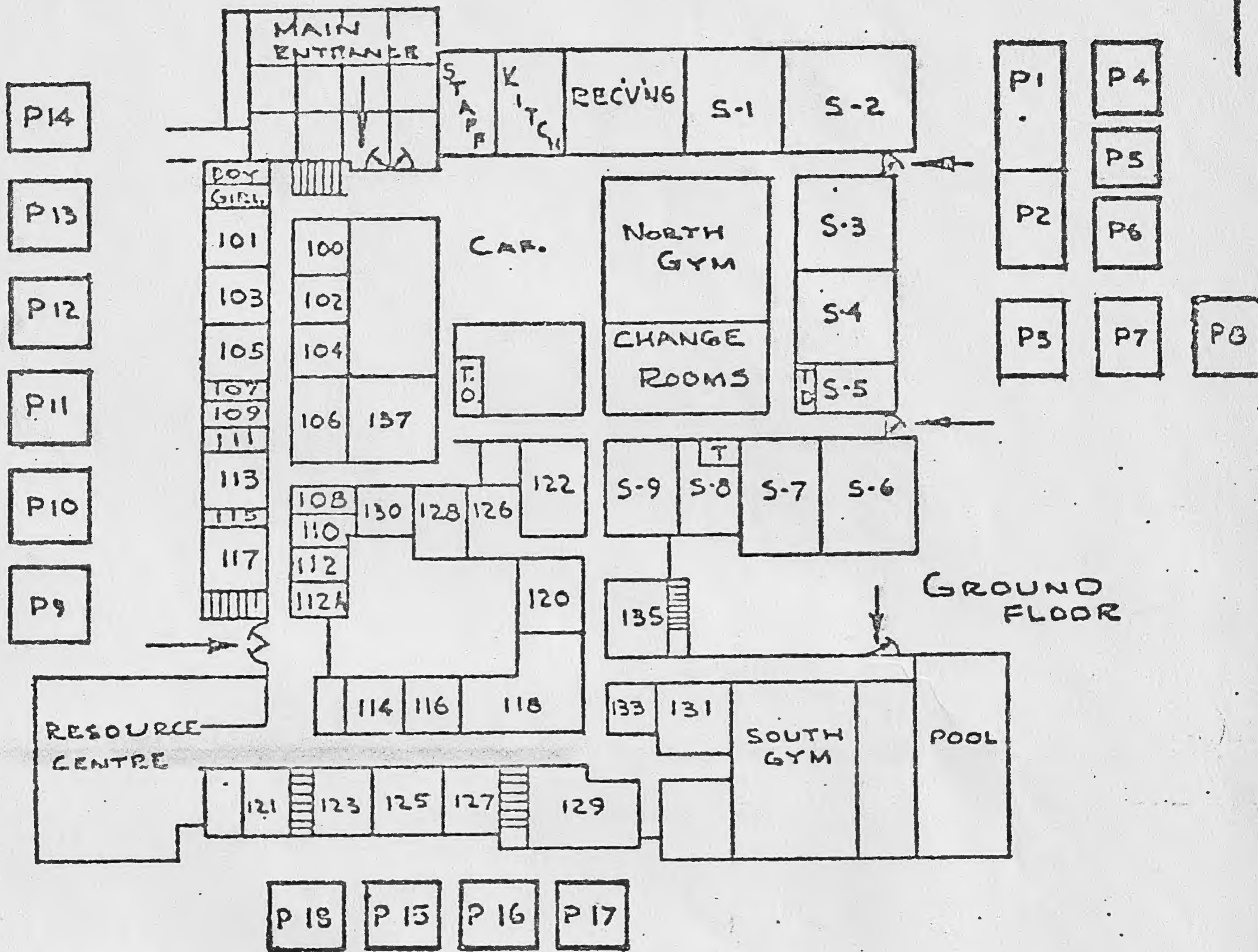
WESTVIEW CENTENNIAL

SECONDARY SCHOOL

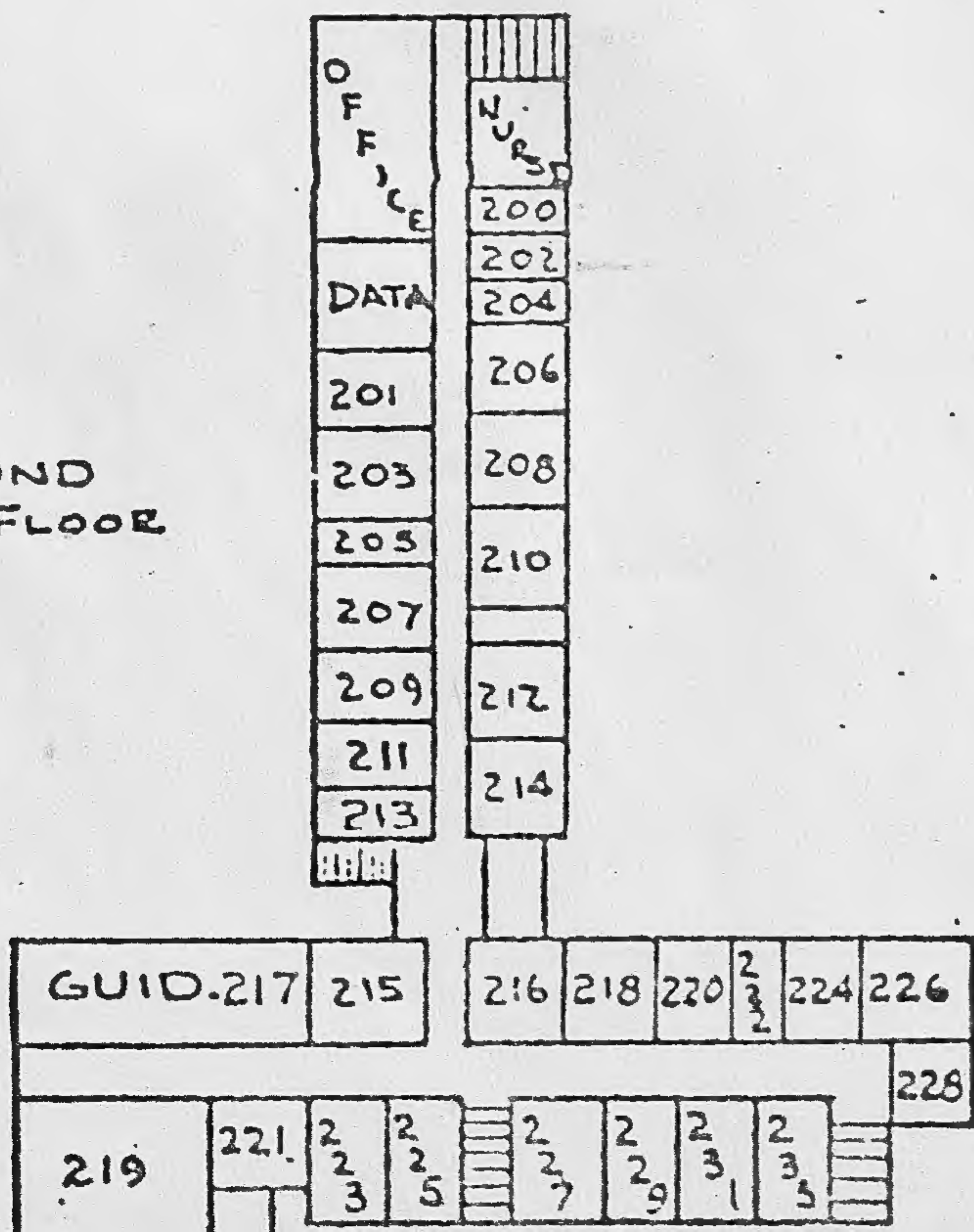
OAKDALE ROAD

P19 P20 P21

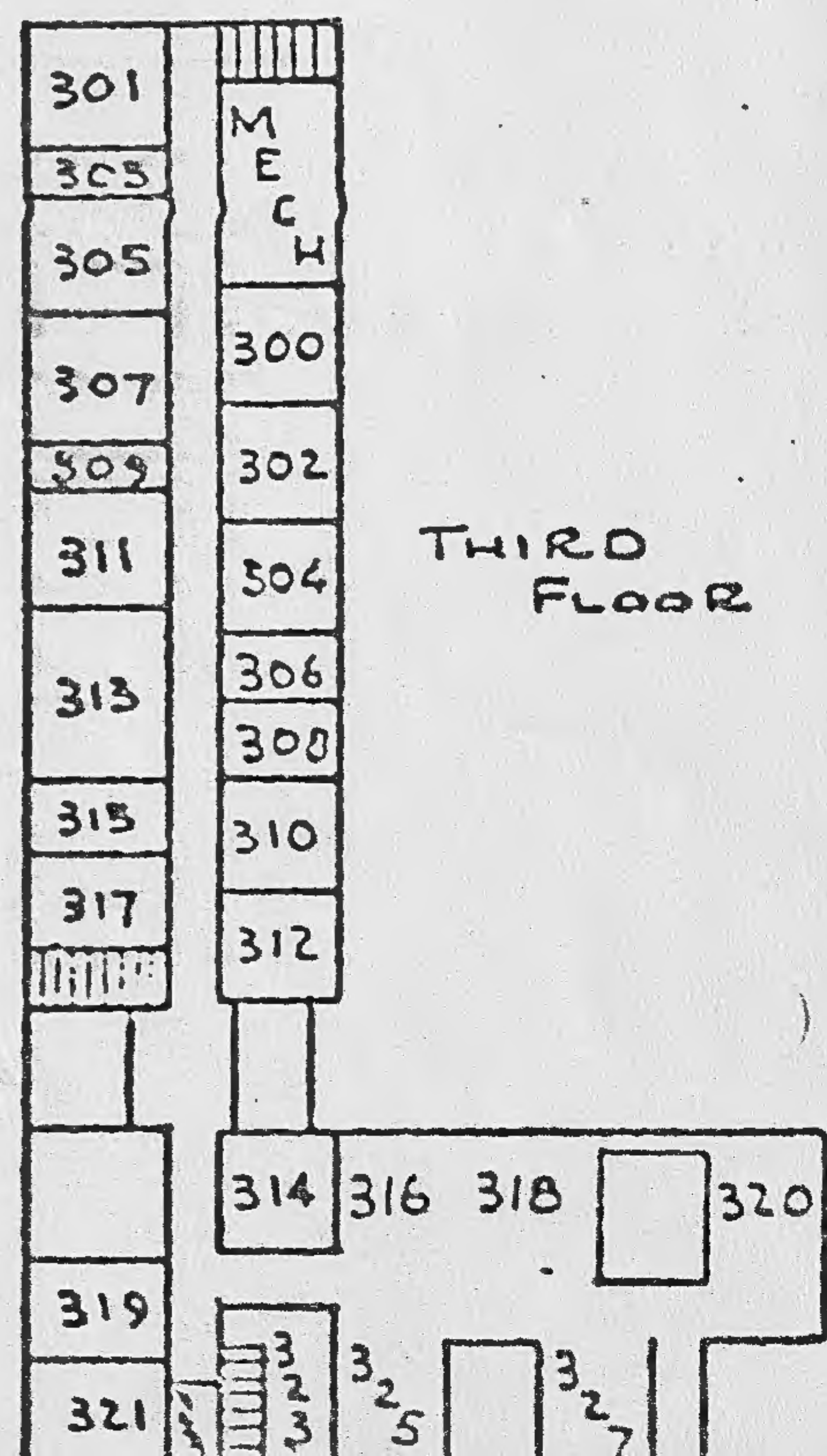
N



SECOND FLOOR



THIRD FLOOR



HOME FORM ORGANIZATION

When school opens in September we will have 106 Home Forms for two Home Form periods each day. Senior Home Forms meet on Regular School days from 9:20 to 9:30 in the morning and Junior Home Forms meet on Regular School days from 2:50 to 3:00.

On Assembly Days, Home Form periods are as follows:

Senior Forms - 9:45 - 9:55 a.m.

Junior Forms - 2:35 - 2:45 p.m.

On Short Days, Home Form periods are as follows:

Senior Forms - 9:10 - 9:20 a.m.

Junior Forms - 2:00 - 2:10 p.m.

WESTVIEW STUDENT PARLIAMENT - 1977-78

President

Mike McVicar

Social Conveners

Tom Morris

Secretary

Nancy Burrough

Treasurer

Randy Kerman

B.A.A.

G.A.A.

Nella Grew

WESTVIEW CENTENNIAL SECONDARY SCHOOL

STUDENT GUIDELINES

LATE: Students arriving late for school or late for class will go directly to class. It will be the teacher's prerogative to admit you or not.

ABSENCE: If you are absent from class, regardless of reason, you are responsible for the work and evaluation missed. Reasons for absence should be limited to personal illness, family emergencies and dental or medical appointments. On returning to school, year 1 and 2 students must bring a note from parent or guardian to be presented to the Home Form teacher. The note must clearly show the following:

- a) The date the note was written.
- b) The dates of absence from school.
- c) The reason for absence.
- d) The signature of the parent or guardian.
- e) The Home Form and signature of the student.

In the event of prolonged absence, you are asked to contact the school to give us the information on your absence.

ILLNESS:
(at school) In case of illness or injury see your teacher. If the illness is serious enough, the nurse will contact your parents and send you home. If you are not feeling well - do not just go to the washroom or go home - you should see the nurse.

LEAVING: When your classes are over for the day you are expected to leave the building and the school grounds. Exceptions are made for organized extra-curricular activities.

ARRIVING: When you arrive for classes which are in the second shift you should be here no sooner than 15 minutes before your first period and you should go quietly to lockers and then wait in the Cafeteria or halls for your class. Consideration should be given to classes which are already working.

PARKING: Parking of automobiles and motorcycles will be by application through the student parliament.

MISCELLANEOUS:

- a) The smoking area, for those of legal age, is in the courtyard off the main foyer. Student smoking within the school building, on the patio area at the front entrance, under the overhang by the shops, and around doorways and window wells is prohibited.
- b) Within the school during spares you may either go to the Cafeteria, or for quiet study, to the Resource Centre. The halls are transportation routes, not congregation areas.
- c) Personal grooming and dress should be a matter of good taste. Cleanliness and attire appropriate to the school environment should be criteria.
- d) Food and drink are not to be removed from the Cafeteria.
- e) All students will attend home form period.

PARTICIPACT-US CARD:

Student Parliament provides many services for the students at Westview. The revenue for this comes from the sale of participact-us cards. Every student is expected to purchase one.

WHAT TO DO? If in doubt about the correct procedure to follow, check with your Home Form Teacher or one of the Vice-Principals. Being uninformed is not an excuse when the opportunity to inquire exists.